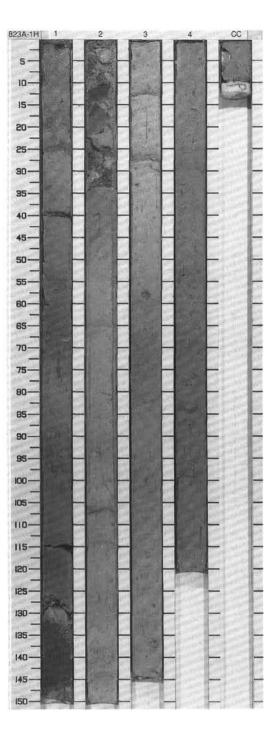
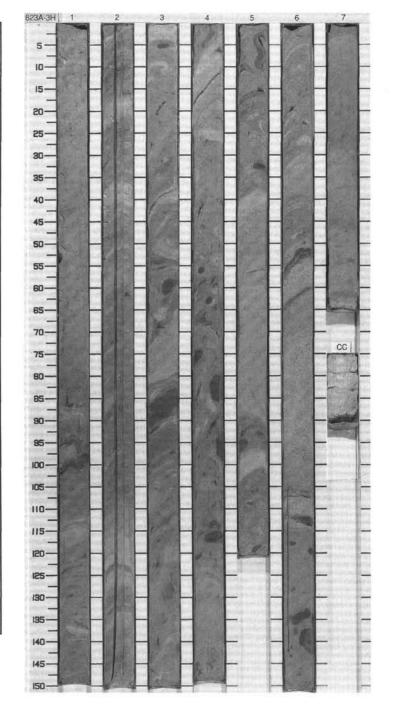
TINO				ZONE/	9	riE3				URB.	ES								
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC	DESCRIP	TION		
					z	74.0%	53.4%•	1	0.5			* *	CLAY NANNOFOSSIL MD NANNOFOSSIL OOZE wit Major lithology: The upper 5/1), and light brownish gr. QUARTZ, BIOCLASTS ar consist of gray (5Y 5/1) to MICRITE and CLAY. Sed PTEROPOD tests and SP Minor lithology: Unlithified.	110 cm c ay (10YR 6 d MICRITI light greer ments in th ONGE SP	and CLA onsist of V2), CLA E. Sedim hish gray he entire of ICULES	unlithified, Y NANNO ents in Se (5GY7/1) core are n are scatte	pale ye FOSSIL ctions 2, NANNO noderate red thro	llow (2.5) MIXED S 3, 4, and FOSSIL (ly bioturb ughout th	77/3), gray (5Y EDIMENT with core catcher DOZE with atled and e core.
CENE	N23	2			z	• 73.7%		2			~~~~		FLOATSTONE with large clasts (OUARTZ, FELDSP BIOCLASTS) between Se (cm to <10 cm) beds of un PACKSTONE; allochems i Halimeda PLATES, ECHIN characterized by a sharp I SMEAR SLIDE SUMMARY	boulder-si: AR, BIOTI ction 1, 12 lithified, gr nclude PTI VOID SPIN basal bour	red mud TE, FOR/ 6 cm and ay (5Y 6/ EROPOD ES and 5	clasts, gra AMINIFER Section 2 1), fine to S, OSTRA	evel, and S, VOLO , 35 cm. medium ACODS,	coarse to ANIC FR Several to sand-siz FORAMI	o fine sand-size AGMENTS, and hin to medium ed BIOCLASTIC NIFERS,
PLEISTOCEN	N22 -	CN1			z	• 72.4% 1.57	●67.8%●65.0%	3	+ + + + + + + + + + + + + + + + + + +	1,1,1,1,1,1,1		*	COMPOSITION: Accessory minerals Bioclast Calcite Clay Feldspar Foraminifers Micrite	1, 26 D	1.50 D	1, 120 D	3, 41 D 1 8 7 10 2 5	4, 77 D 2 10 9 1 7 38	4, 96 D
	A/G	A/G			z	1.59	● 73.0%	4		1,1,1,1		*	Nannofossils Quartz Spicules Tunicate	37 12 7 5	43 6 10 3	28 7 5 2	40 6 7 3	25 5 3 	10



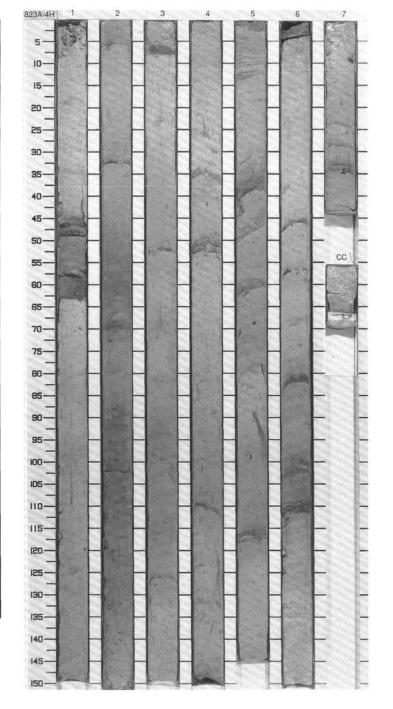
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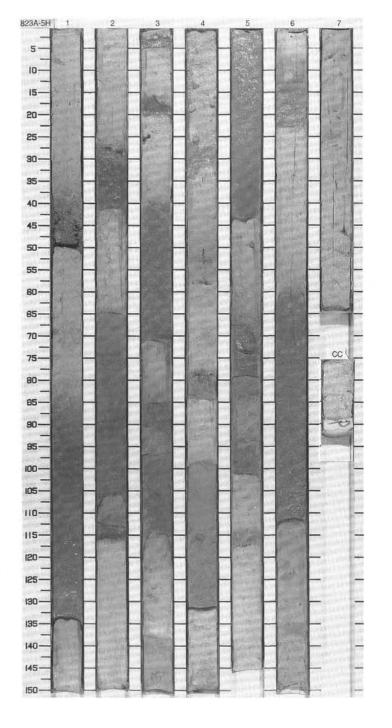
TINO				ZONE/	re l	99	83					88.	ES.		
TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	Oracle Control Control	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2	1.63	● 62.4%	1	0.5			* * *		CLAYEY NANNOFOSSIL MIXED SEDIMENT with MICRITE. FORAMINIFERS and BIOCLASTS. Major Lithology: Light gray (5Y 7/1), gray (5Y 6/1 and 5Y 5/1), light olive gray (5Y 6/2), a olive gray (5Y 5/2 and 5Y 4/2), bloturbated, CLAYEY NANNOFOSSIL MIXED SEDIMEN with MICRITE, FORAMINIFERS and BIOCLASTS. Minor Lithology: Several (on average two per section) thin (cm) interbeds of gray (5Y 6/1) fine grained, unlithified, BIOCLASTIC PACKSTONE consisting of FORAMINIFERS, PTEROPODS, CORAL FRAGMENTS, BIVALVES. TUNICATE SPICULES and QUARTZ. Some layers display sharp basal contacts and normal grading.
					,	Z	1.60		2	and market	- COST		ŧ	*	SMEAR SLIDE SUMMARY (%):
CENE	N23	2					.58%	• 53.8%	3	and and an			1		Calcrie 2 12 4 Citay 15 5 12 Foldspan 10 4 5 8 Micrite 25 20 25 Nannofosils 25 40 25 Quartz 3 4 5 12 Spicules 9 5 3 3 Tunicate 2 4
PLEISIOCENE	N22 -	CN1				Z	1.63		4	- Transferr			1	*	
						Z	1.60	48.6% • 52.3%	5		+ E		1	*	
						z	6 69.3%	•	6	The state of the				TW.	
	A/G	A/G				z			7		000 cess coto cess co		1	0	

- No				ZONE/ RACTE	R GO	1E8				JRB.	83		
- HOOK - THE	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z	• 62.7% 1.70	• 68.1%	1	0.5	1 1 1 1 1 1	**	*	CLAYEY NANNOFOSSIL OOZE with BIOCLASTS, FORAMINIFERS, and MICRITE; LITHOCLASTIC FLOATSTONES. Major Lithology: Unlithified, light gray (5Y 7/1) to gray (5Y 6/1), moderately bioturbated CLAYEY NANNOFOSSIL OOZE with BIOCLASTS, FORAMINIFERS, and MICRITION interbedded with homogeneous LITHOCLASTIC (mud clasts) FLOATSTONE, usually find laminated to planar or slightly to strongly contorted. Mud clasts; up to 10 cm in diameter are usually darker than the matrix, a dark greenish gray (5GY 4/1) to greenish gray (5G 6/1). SMEAR SLIDE SUMMARY (%):
					z	63.2%		2					1,30 3,17 3,76 5,34 6,80 7,2 D D D D D D D D D D D D D D D D D D D
11.0000111	- N23	15			z	63.4%	×9.69 •	3		1 - 1	-\-*\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-		Needles 5 5 5 5 5 5 Quartz 3 5 3 8 3 3 Spicules Tr
	N22 -	CN1			z	60.5%		4			• •••		
					Z	• 62.2%	69.1% 64.4%	5				*	
					z	65.2%	•	6			•	*	
	A/G	A/G			z			7			**	•	

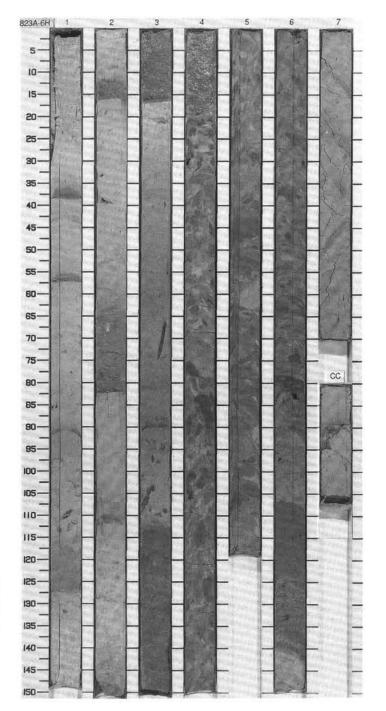


	B10	STR	CHA	CONE/	80	83					RB.	8								
TANK PROPERTY	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	LOGIC I	DESCRIP	TION		
												1	1	NANNOFOSSIL OOZE with E	BIOCLA	STS, QUA	ARTZ and	CLAY		
					z	. 67.7% 1.68	● 80.5%	1	0.5		A Company of the Company	ŧ	*	Major lithologies: Unlithified to gray 5GY 6/1), and gray (5Y6 with BIOCLASTS, QUARTZ at Minor lithology: Several thin to	3/2), hor and CLA	nogeneo Y.	us to biotu	urbated.	NANNOF	OSSIL OOZE
									1.0			1		10 cm-thick) of unlithified, graphic packstone with FORAMIN boundary and normal grading PACKSTONE from 132-150 grading.	IFERS	i/1), silt-to and QUA strast, a 2	medium RTZ. Som 0 cm-thic	sand-si: ne interbe k, light g	zed BIOC eds have a ray (N 6) I	LASTIC sharp basal BIOCLASTIC
						×					100	1		SMEAR SLIDE SUMMARY (9	6):					
						62.6%		2				1			1, 51 D	OF 1, 60 M	2, 140 D	CF 5. 38 M	CF 6, 147 M	7, 19 D
									1			1		COMPOSITION:						
				1					-	00 = 00 = 00		,	*	Bioclast Foraminifers	15 2	75 15	10 5	65 20	70 30	15 10
												1	1	Micrite Nannofossils	13	***	77	***	***	60
						×	20		1					Needles Opaques		344		5	Tr	3
						65.6%	68.75%	3	1		9	1		Quartz	2	10	3	10	Tr	10
			8			•			3	1 1		١,	1	Siliceous sponge spicules Spicules	5		5	Tr	Linea.	***
									-		6			Tunicate	3	++1	Tr	***	0.00	2
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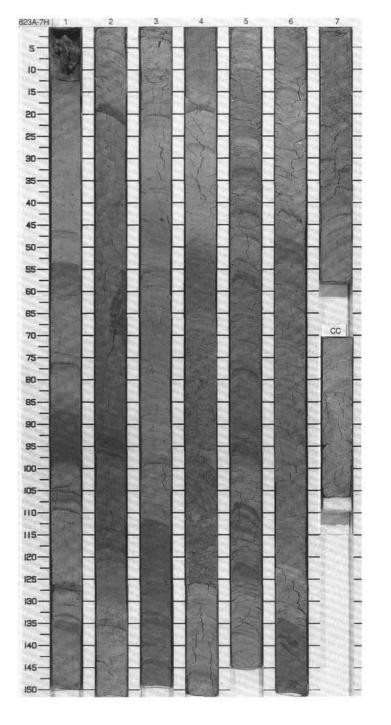




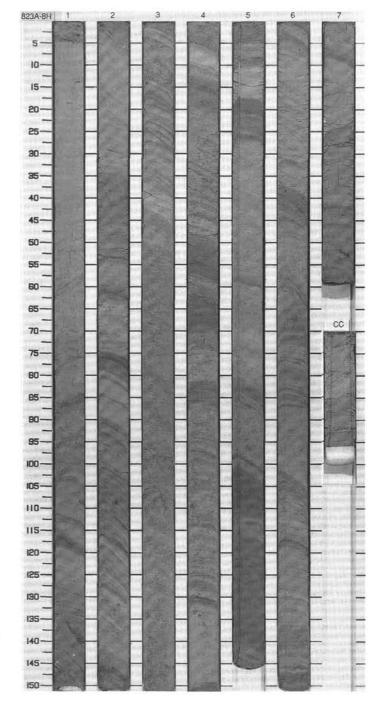
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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						~	,				1		NANNOFOSSIL OOZE with FORAMINIFERS and CLAY; BIOCLASTIC PACKSTONE with FORAMINIFERS and QUARTZ; LITHOCLASTIC FLOATSTONE and RUDSTONE.
					z	e 62.4%	● 75.03	1	1.0		1	*	Major Lithology: In the upper three sections, gray (N7, N6) and greenish gray (507 5/1), unlithilified but firm, NANNOFOSSIL OOZE with FORAMINIFERS and CLAY. This is interbedded with thin (a few cm) to thick (55 cm) silt- to medium sand-sized BIOCLASTIC PACKSTONE with FORAMINIFERS and OUARTZ (on average four beds per section), in most of Sections 4, 5 and 6, multi-colored mud clasts (usually ranging between dark greenish gray and fight greenish gray - 55Y 4/1 to 56Y 7/1) form LITHOCLASTIC
											1		FLOATSTONE and RUDSTONE beds, with no preferred labric; the matrix is a light greenish gray (SGY 7/1) NANNOFOSSIL OOZE with CLAY. Mud clasts range from 5 cm to <1 cm in diameter.
						×				1	1	1	SMEAR SLIDE SUMMARY (%):
					z	62.69		2	ac = ac = a				CF CF 1,77 2,80 6,116 6,126
						9-		-	00 = 00 =	+	1		D D D D
									+	1	Ι,		COMPOSITION:
									4-,-		1		Bioclast 10 55 20 70
							1	H	00 = 00 = 0		1		Clay 10 Tr
					1					1	١,		Foraminifers 4 25 3 20 Glauconite Tr Tr
						×	×	Ш		-	1		Micrite 20
					z	63.7%	66.3%	3	1	1			Needles 3
	1								1 1 - 1 - 1		1	1	Opaques Tr Tr Quartz Tr 20 10 10
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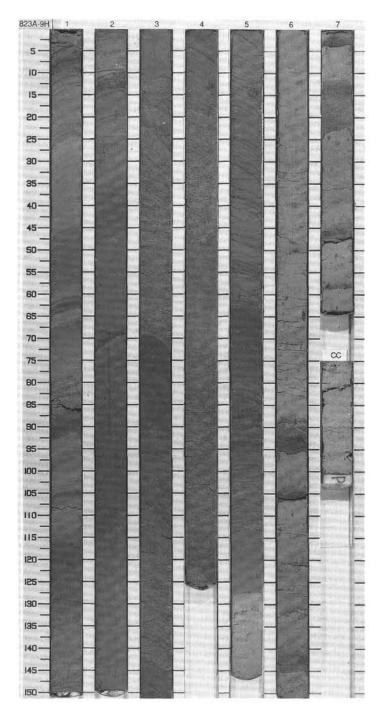


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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z	56.3%	52.5%	1	0.5	VOID		1		CLAYEY NANNOFOSSIL OOZE to MIXED SEDIMENT with BIOCLASTS and CLAY Major Lithology: Finely interlaminated and bedded (bed thickness ranging from mm to 30-40 cm.), dark gray to gray (5Y 4/1 to 5Y 6/1) and greenish gray (5GY 6/1), NANNOFOSSIL OOZE with BIOCLASTS and CLAY, CLAYEY NANNOFOSSIL OOZE with BIOCLASTS, and CLAYEY NANNOFOSSIL MIXED SEDIMENT.
							Ĭ		T	00 = 00 = 00		1		Minor Lithology: Few cm thick, greenish gray (5GY 5/1) interbeds of BIOCLASTIC PACKSTONE with FORAMINIFERS and QUARTZ.
							9		- 1			•		SMEAR SLIDE SUMMARY (%):
		1				1			1	一、压器		1		QF 4, 58 4, 82 6, 90
		1	П			١.,		П	=		1	١		D D D
		1			z	53.9%		2	3					COMPOSITION:
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		1			П	•	Ŷ		-					Clay 30 25
	П								4	1 523		1		Foraminiters 5 30 4 Glauconite 2
							1 3		-			•		Nannofossils 30 36
					Ш				1		: 1			Opaques Tr Quartz 5 Tr 5
					Ш				1	-,		1		Spicules Tr Tr
						×	%		- 1	1 1				340040400
					z	55.9%	75.8%	3	3			٤		
		1				•	•			لــــــــــــــــــــــــــــــــــــــ		١		
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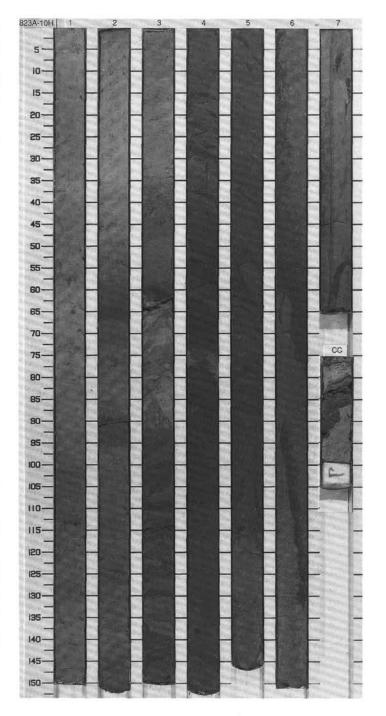


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TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z	51.2%	×6.97 •	1	0.5			^		NANNOFOSSIL OOZE with CLAY; CLAYEY NANNOFOSSIL OOZE Major Lithology, Dark gray to gray (5Y 4/1 to 5Y 6/1) and greenish gray to dark greenish gray (5GY 6/1 to 5GY 4/1) NANNOFOSSIL OOZE with CLAY interbedded with CLAYEY NANNOFOSSIL OOZE. Much of the core contains very contorted, folded, and steeply dipping strata indicating soft sediment deformation. Minor Lithology, Gray (5Y6/1), unlithified, fine to medium grained, homogeneous BIOCLASTIC PACKSTONE with FORAMINIFERS form a few interbeds in Sections 3-5.
						Z	• 50.3% 1.95		2				^	*	SMEAR SLIDE SUMMARY (%): OF
OCENE	- N23	48				Z	• 56.2% 1.86	×1.67 •	3	- International			1 1		Glauconite
PLEISTOCENE	N22 -	CN14a				z	49.7%		4				\ \		
						Z	51.1%	● 65.6% ● 74.8%	5						
						Z	52.3%		6				1		
	A/G	A/G				z			7				>> -	PA	

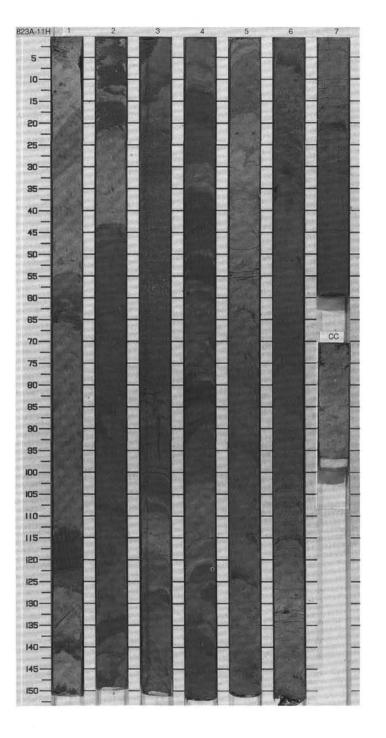




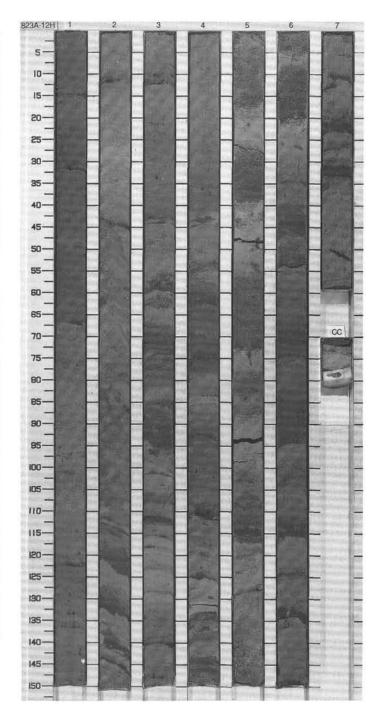
=				ZONE/		ES					60		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	1						- 6			-	1		CLAYEY NANNOFOSSIL MIXED SEDIMENT: CLAYSTONE with NANNOFOSSILS
			0.000		z	59.9%	. 56.5%	1	0.5	1,1,1,	* * *	*	Major Lithology: In Sections 1, 2, and 0.55 cm in Section 3: unlithilitied but firm, light gray (5Y 7/1), greenish gray (5GY 6/1), to gray (5Y5/1) and dark gray (5Y4/1), CLAYEY NANNOFOSSIL MIXED SEDIMENT. Below this interval. the lithology grades into dark greenish gray (5GY 4/1) highly contorted and disturbed CLAYSTONE with NANNOFOSSILS.
									======================================	-	1		Minor Lithology: Unlithifled, gray (SY 5/1), highly deformed and contorted, fine-grained, BIOCLASTIC PACKSTONE with FORAMINIFERS. These deformed sandy features may be sand injection structures which formed during soft sediment deformation of the section.
											,		SMEAR SLIDE SUMMARY (%):
					z	1.78		2	##- <u></u>	-			1, 85 4, 70 5, 38 D D D
									## · _	-			COMPOSITION:
					1				## <u></u>	-			Accessory minerals Tr Bioclast 10 10 10
								\dashv	-	-]			Clay 30 40 48 Foraminifers Tr Tr
						×	>		1	1	1	-	Nannofossils 50 15 30 Quartz 3 35 12
					z	52.8%	• 53.6%	3		4	П		Spicules 7 Tr
LINE	N23					•	•		##-	3	П		
PLEISIOCENE	2	CN13b							## _		П		
2	N22	C							- 18	-	П		
7	Z					.84		- 23	124	4	П		
					Z	5.4		4			Н	*	
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										돸	11	*	
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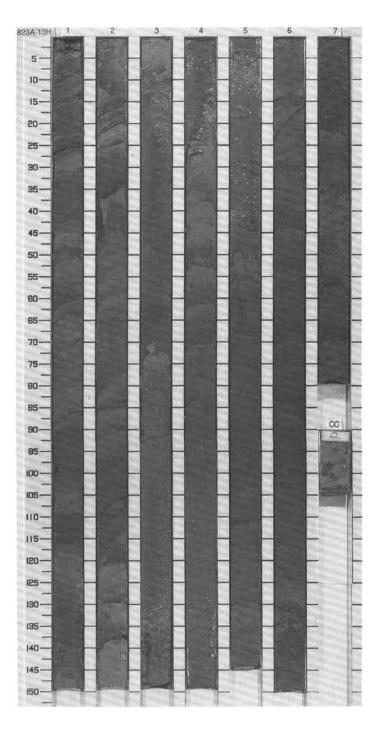
				ZONE/	T	T.,		T	T		,			
TIME-ROCK UNIT	FORAMINIFERS	NAMNOFOSSILS TE	RADIOLARIANS	SWOLVIO	PALEOMAGNETICS	PHYS. PROPERTIES		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z	. 57.6%	● 60.4%	1	0.5	00 cm 00 cm 00 00 cm 00 cm 00				NANNOFOSSIL CLAYEY to CLAYEY NANNOFOSSIL MIXED SEDIMENT with MICRITE BICCLASTIC PACKSTONE with QUARTZ, MICRITE, FORAMINIFERS, and NANNOFOSSILS Major Lithology: Unlithified but firm, light gray (5Y 7/1), greenish gray (5GY 6/1 and 5/1) and (mostly in Section 4) dark greenish gray (5GY 4/1), slightly bioturbated, NANNOFOSSIL CLAYEY MIXED SEDIMENT with MICRITE. Unlithified, silt- to fine sand sized BICCLASTIC PACKSTONE with QUARTZ, MICRITE, FORAMINIFERS, and NANNOFOSSILS is present as interbeds, burrow fill sediment, and as contorted layers within the mixed sediment.
					z	. 53.2%	49.	2	Access to access to			1		SMEAR SLIDE SUMMARY (%): 1, 80 3, 45 6, 22 D D D COMPOSITION: Accessory minerals 1 2 2 Bioclast 6 24 28 Calcite 5 6 7
EISTOCENE	N23	3b			z	. 56.0%		3				1	*	Clay 20 5 3 Feldspar 1 2 2 Foraminifers 3 17 12 Micrite 15 10 15 Nannolossils 40 8 12 Quartz 4 12 13 Rock fragment 3 Spicules 3 6 4 Tunicate 2 2
2011	N22 -	CN1			Z	54.0%	40.1	4				* * *		
					z	• 54.9%	6 45.4%	5	The state of the s	+ + + -		* ** ** **		
					Z	53.1%		6		OD 62 OD 62 OD 63 OD 64		1 1 1	*	
	A/G	A/G			z			7				1		



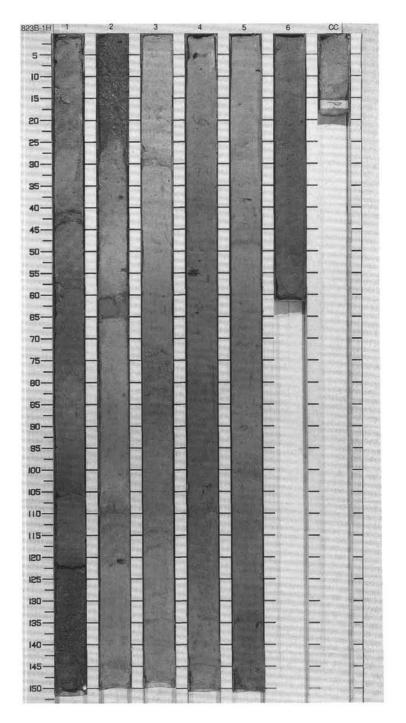
-				ZONE/ RACTER	60	831					RB.	8		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						1.82	● 68.2%	1	0.5			* * *	*	CLAYEY NANNOFOSSIL OOZE: BIOCLASTIC PACKSTONE with QUARTZ. MICRITE. FORAMINIFERS and NANNOFOSSILS Major Lithology: Unlithilide but firm, greenish gray (5GY 6/1,5/1), light greenish gray (5GY 7/1), bioturbated. CLAYEY NANNOFOSSIL OOZE. Some burrows are filled with pyritized FORAMINIFER tests and BIOCLASTS. Interbedded with this lithology are thin (cm) to hick (20 cm) beds of greenish gray (5GY 5/1) to gray (5Y 5/1), silt- to fine shand-size, BIOCLASTIC PACKSTONE with QUARTZ, MICRITE, FORAMINIFERS and NANNOFOSSILS. These beds are usually well sorted and homogeneous, but in a few cases show normal grading.
						1.88		2				1		SMEAR SLIDE SUMMARY (%): 1.24
OCENE	N23	35			POLARITY	1.76	• 63.6%	3	111111111111111111111111111111111111111			\$ & 1	*	Bioclast 4 30 13 Clay 40 5 35 Feldspar 1 2 1 Foraminifers 2 10 3 Inorganic calcite 5 5 3 Micrite 12 15 10 Nannofossils 20 12 23 Quartz 5 14 8 Spicules 3 2 2 Tunicate 2 1 1
PLEISIOCENE	N22 -	CN13b			UNCERTAIN	• 52.2% 1.87		4				* * * *		
						2.04	×8.87 ●	5				* * *		
						57.7%		6		00 = 00 = 00 		* * * *	*	
	A/M	A/G						7				1		



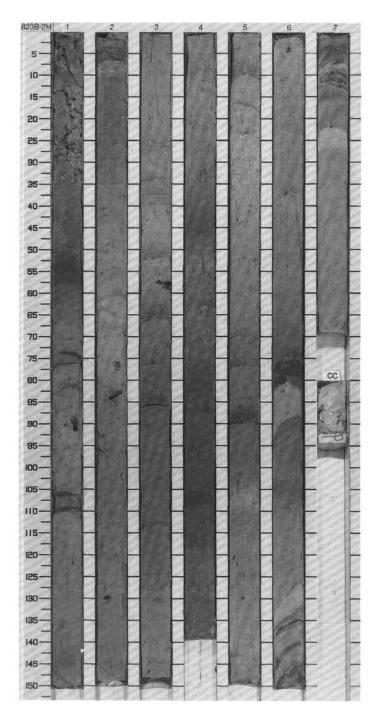
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TIME-ROCK UNI	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						55.6%	• 52.5%	1	0.5			•••	*	NANNOFOSSIL CLAY MIXED SEDIMENT with QUARTZ, FORAMINIFERS and BIOCLASTS; CLAYSTONE with QUARTZ, NANNOFOSSILS, and MICRITE; BIOCLASTIC PACKSTONE with QUARTZ, MICRITE and NANNOFOSSILS. Major Lithology: Unlithified but firm, bioturbated, greenish gray (5GY 5/1), NANNOFOSSI CLAY MIXED SEDIMENT with QUARTZ, FORAMINIFERS and BIOCLASTS, changing dov section into dark gray (1074 4/1) CLAYSTONE with QUARTZ, NANNOFOSSILS, and MICRITE in Section 5, 6, 7, and CC. Numerous, thin (few cm) to locally very thick (1 m) interbeds of silt-to medium sand-sized, well sorted BIOCLASTIC PACKSTONE with QUARTZ, MICRITE and NANNOFOSSILS show common sharp basal boundaries and transitional tops.
						54.2%		2	- 2					SMEAR SLIDE SUMMARY (%): 1, 76
EISTOCENE	- N23	13b			N POLARITY	68.1%	● 82.1%	3	l l					Feldspar 2
0	N22	CN1			UNCERTAIL	56.5%		4		00 S 00		* *		
						53.5%	•20.3% • 31.6%	5				* *	±w.	
						52.0%		6					*	
	A/G	A/G						7				*		



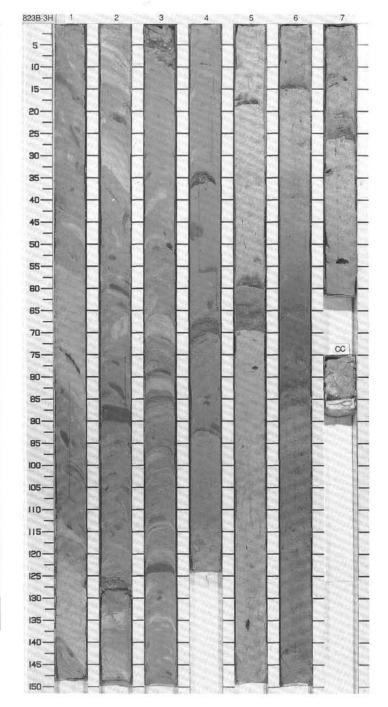
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TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z			1	0.5			STORESTED BE		NANNOFOSSIL OOZE with CLAY, QUARTZ, and PTEROPODS; BIOCLASTIC PACKSTON with QUARTZ Major Lithology: Light gray to pale brown (5Y 7/1; 10YR 8/3) in Section 1, and greenish gray (5GY 7/1) for rest of core; NANNOFOSSIL OOZE with CLAY; QUARTZ, and PTEROPODS Well biothytabed, some burrow fills contain BIOCLASTIC PACKSTONE (see below). Minor Lithology: Light gray, pale brown, and olive gray (5Y 7/1; 10YR 6/3; SY 5/2) fine san to gravel-sized BIOCLASTIC PACKSTONE with QUARTZ. Allochems include Halimedia, PTEROPODS, CORALLINE ALGAE, CORALS and pyritic FORAMINIFERS. ROCK FRAGMENTS also occur.
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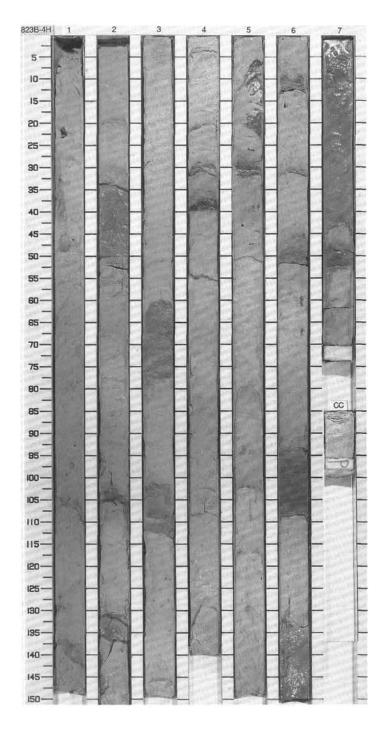
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3	-	1		RACTE	R 5	BTIE					TURE	URES		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					1	T				-,	3	11		NANNOFOSSIL MICRITIC OOZE with BIOCLASTS; BIOCLASTIC PACKSTONE with QUART
					z			1	1.0		·····	11		Major Lithology: Light gray (5Y 7/1) NANNOFOSSIL MICRITIC OOZE with BIOCLASTS. Bioturbation is common; clay content increases below Section 3. Below 80 cm in Section 6, bedding is steeply inclined and contorted, suggesting soft sediment deformation; color of the sediment becomes light olive gray (5Y 72) and laminae are common. Minor Lithology: Dark gray (5Y 4/1) BIOCLASTIC PACKSTONE with QUARTZ forming thin (few cm) interbeds within the core. FORAMINIFERS commonly contain pyrite. Packstone units display sharp bases and transitional tops. From 80-85 cm, LITHOCLASTIC PUIDSTON with a light gray (5Y 7/1) NANNOFOSSIL OOZE matrix. Clasts are composed of dark gray.
					z			2	1	<u> </u>		11		(5Y 4/1) NANNOFOSSIL OOZE.
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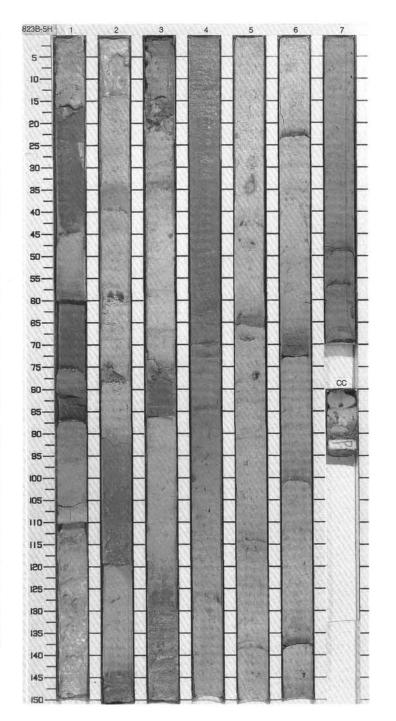
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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Z			1	0.5			\$2000 \$2000		NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS Major Lithology: Variegated gray (5Y 7/1 to 5Y 5/1), laminated to homogeneous NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS. The top 4 sections display controted, folded, and steeply inclined bedding suggesting soft sediment deformation. Isolated class of dark gray (5Y 4/1) NANNOFOSSIL OOZE with CLAY occur throughout the deformed part of the core. Minor Lithology: Dark greenish gray and greenish gray (5GY 4/1 to 5GY 6/1), line to medius sand-sized BIOCLASTIC PACKSTONE with FORAMINIFERS Lines are interbedded both within the deformed bedding as well as throughout Sections 5-CC. Sharp bases and
						Z			2				\$888 \$888		transitional tops characterize the units which are commonly <10 cm thick. LITHOCLASTIC FLOATSTONE, with clasts of dark gray (5Y 4/1) NANNOFOSSIL OOZE with CLAY within a gray (5Y 5/1) NANNOFOSSIL OOZE matrix.
ISTOCENE	CN 15					z			3			Ţ	2000 9000 9000 9000 9000		
PLE						Z			4				\$555 \$555		
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TIME-ROCK UNI	FORAMINIFERS	1	RADIOLARIANS	DIATOMS	ovi courcetion		PHIS. PROPERTIES	CHEMISTRY	NETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					2	2		1	0.5					NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS; BIOCLASTIC PACKSTONE Major Lithology; Greenish gray (5GY 7/1) and gray (5Y 7/1; 10YR 6/1), bioturbated and firm NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS. Ooze is interhedded with a to medium sand-sized, variable gray (N4-6; and 5Y 5/1) BIOCLASTIC PACKSTONES. The latter units are commonly less than 20 cm in thickness but vary up to about 45 cm, and commonly show normal grading. There is a common repetitive pattern in which the ooze is consistently darker and with better preserved bioturbated texture immediately overlying each packstone unit, but grade upward into a lighter green color.
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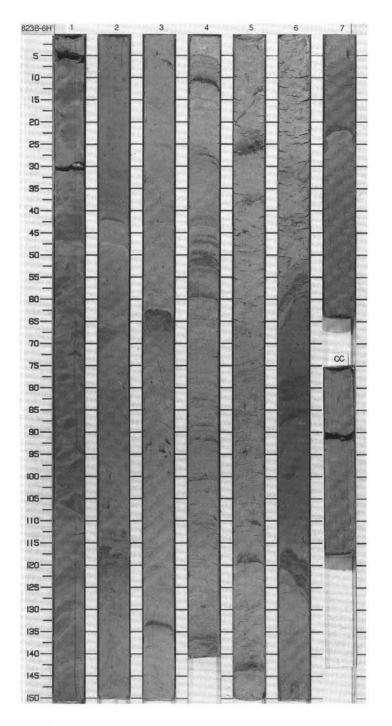


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TIME-ROCK UNIT	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z		1	0.5			~ ;;		NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS. BIOCLASTIC PACKSTONE Major Lithology: Greenish gray (5GY 7/1) and gray (5Y 7/1) 10YR 6/1), bioturbated and firn NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS. Ooze is interbedded with a to medium sand-sized BIOCLASTIC PACKSTONE. These latter units are commonly less than 30 cm in thickness, and show normal grading. There is a common replitive pattern in which the ooze is consistently darker with better developed bioturbated texture immediate overlying each packstone unit, but grade upward into a lighter green color.
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PLEISTOCENE		CN14a				z		4	and the second	00 = 00 = 00 00 = 00 = 00		1 1		
						z		5						
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		A/G				z		7	200000000000000000000000000000000000000		!!!	* * * *		

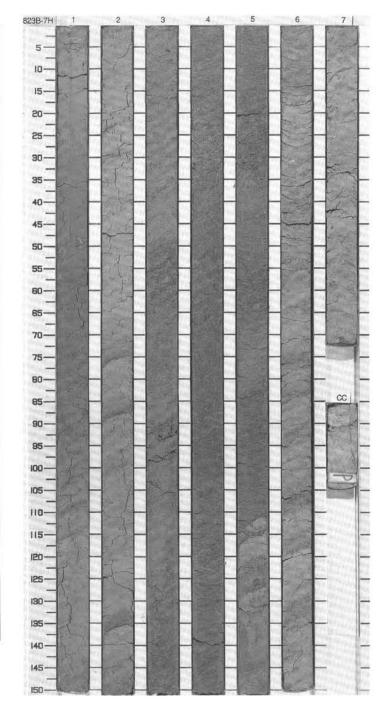


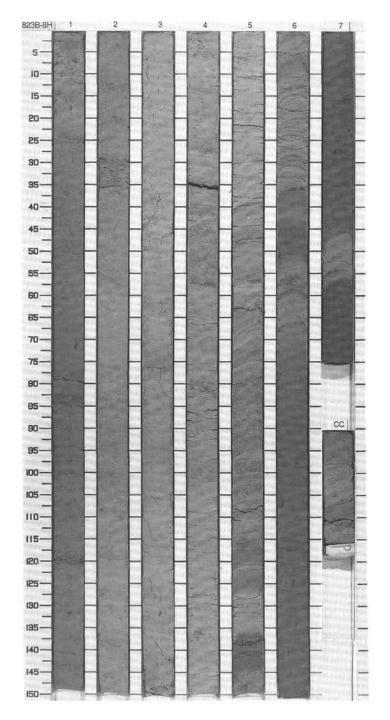
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TIME-ROCK	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					T		T	T			Ţ	888		NANNOFOSSIL COZE with BIOCLASTS; CLAYEY BIOCLASTIC MUDSTONE with NANNOFOSSILS; BIOCLASTIC PACKSTONE
					z			1	0.5			\$888 -^-		Major Lithology: In Sections 2-4, light greenish gray to gray (5GY 7/1 to 5GY 6/1) NANNOFOSSIL OOZE with BIOCLASTS; bioturbated to locally laminated and thinly bedd in Sections 5-CC, CLAYEV BIOCLASTIC MUDSTONE with NANNOFOSSILs changing in color from light gray (10Y 6/1) to dark gray (10Y 5/1) by Section 6 at 80 cm. Minor Lithology: Dark gray (10Y 4/1 to 10Y 5/1) BIOCLASTIC PACKSTONE beds, silt-to
								L			i	1		sand-sized, commonly less than 10 cm thick, and locally showing normal grading. The ba of each bed is generally sharp and the too transitional into overlying coze. In Section 1.
					z			2			İ	1		LITHOCLASTIC RUDSTONE with variegated gray (10Y 4/1, 4/2, 5/2/, 6/1, 7/1) NANNOFOSSIL OOZE clasts within a lighter gray NANNOFOSSIL OOZE matrix. Soft sediment deformation features are associated with both matrix bedding and clast integri
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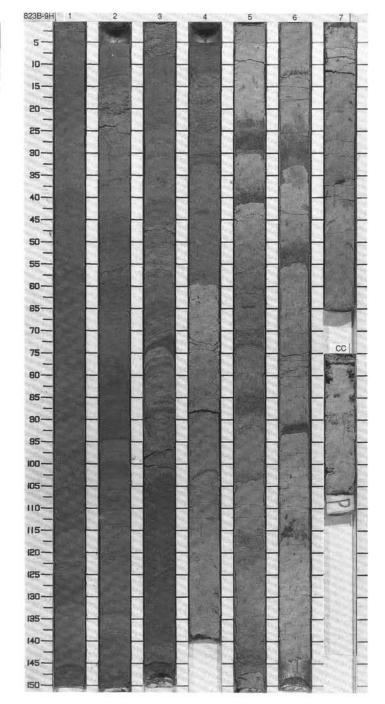


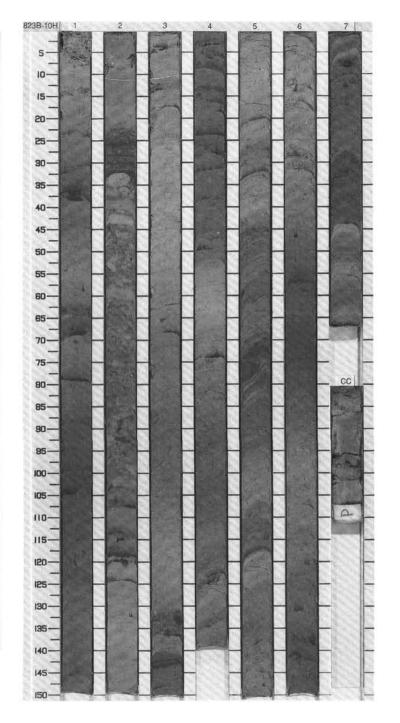
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TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETIC	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2			1	0.5			******	*	CLAYEY BIOCLASTIC MUD with NANNOFOSSILS: BIOCLASTIC PACKSTONE Major Lithology: Greenish gray (5GY 6/1 and 5GY 5/1) CLAYEY BIOCLASTIC MUD with NANNOFOSSILS: slightly to well bioturbated. A few thin (few cm) beds within Sections 4 at 5 are BIOCLASTIC PACKSTONE, commonly silt- to fine sand-sized, homogeneous to loca bedded and laminated. SMEAR SLIDE SUMMARY (%): 1. 84
						z			2	ered breed bree					D COMPOSITION: Bioclast 40 Clay 25 Foraminifers 5 Nannofossils 20 Quartz 5 Spicutes Tr Tunicate 5
ENE						Z			3	and and and			* * *		
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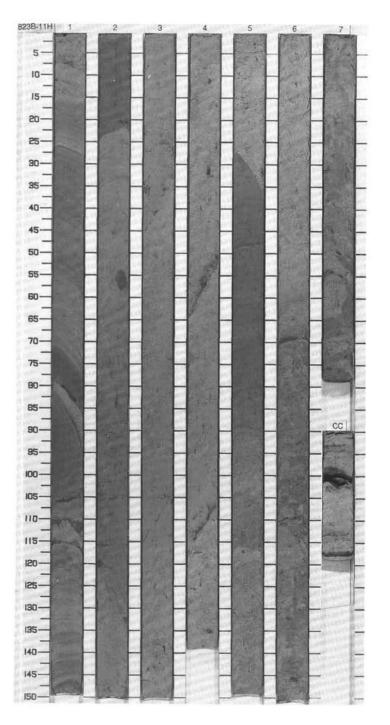


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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Z			1						CLAYEY NANNOFOSSIL OOZE with BIOCLASTS: BIOCLASTIC PACKSTONE Major Lithology: Greenish gray (5GY 5/1 and 5GY 6/1) CLAYEY NANNOFOSSIL COZE with BIOCLASTS, commonly well-laminated to thinly bedded in Sections 1, 3, and the upper pa of 4, Below 15 cm in Section 4, the ooze is well bioturbated and is associated with a genere color change to light blushs gray (5B7/1) to gray (5F 5/1). Color variations also occur below Section 4 where ooze is interbedded with BIOCLASTIC PACKSTONE which is commonly gray (57 7/1), silt- to medium sand-sized units less than 40 cm in thickness: normal gradin is common. The packstone shows abrupt basal contacts with underlying ooze, and a gradational top; the overtying ooze lightens in colour slightly above the packstone.
						Z			2	سيسيليسينهليسه		İ	***		
EISTOCENE		CN14a				z			3	per efective			8		
PLEIST		CN13b - C				z			4	March 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 GE 00 GE				
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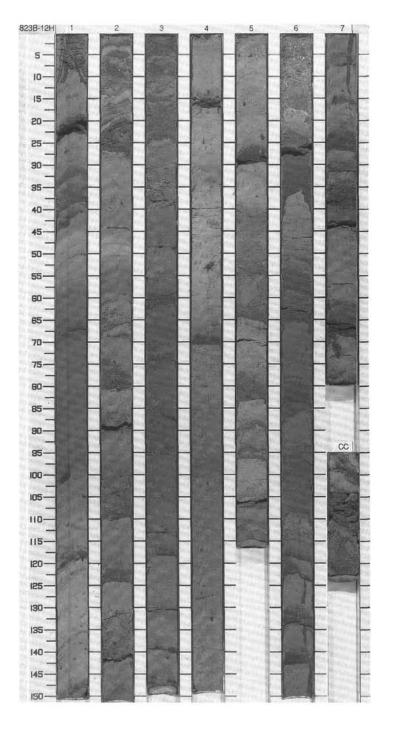




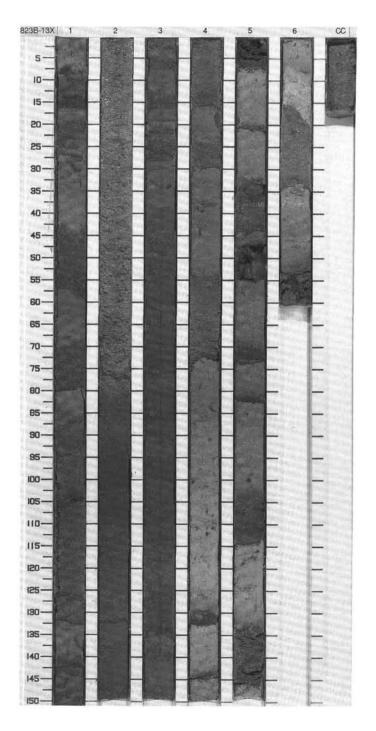
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TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					Z			1	0.5			5888		NANNOFOSSIL OOZE with CLAY and BIOCLASTS: BIOCLASTIC PACKSTONE Major Lithology: Gray and greenish gray (Ns; 5GY 5/1 to 5GY6/1), laminated to homogenous. NANNOFOSSIL OOZE with CLAY and BIOCLASTS. Bedding is strongly contorted, steeply inclined and locally folded in Sections 1, 2, and 4. More homogenous a relatively undisturbed sections may however form a block within the overall disturbed sequence of strata. Local isolated clasts of NANNOFOSSIL OOZE are present. Minor Lithology: Gray to dark gray (5Y 4/1 to 5/1) BIOCLASTIC PACKSTONE forms thin (fit cm) contorted beds within the above ooze. Also Sections 6, 70-150 cm, and 7 contain LITHOCLASTIC RUDSTONE, with clasts of light to dark gray (5Y 6/1 to 4/1) NANNOFOSS
					z			2	and transfer	+		• 8888		OOZE with CLAY which appear smeared and distorted due to soft sediment deformation.
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PLEISTOCENE		CN13b			z			4						
					z			5	- Transferran	+			TW.	
					z			6	Transfer of the state of			1 1 1 0 0 0		
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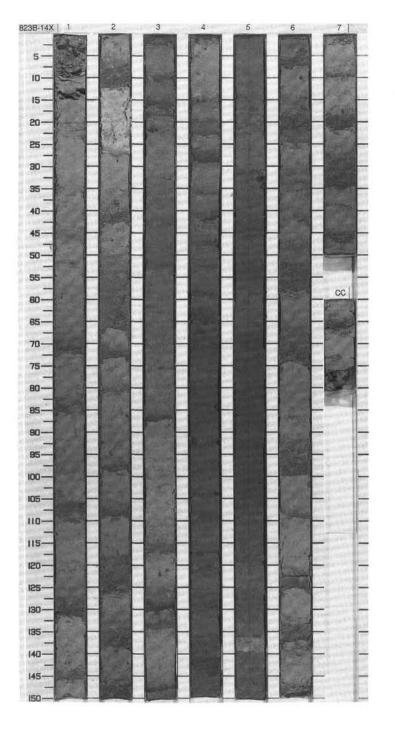


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TIME-RUCK OF	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z	.56.7%	• 39.7%	1				1 1	*	NANNOFOSSIL OOZE with BIOCLASTS and CLAY: BIOCLASTIC PACKSTONE Major Lithology: Greenish gray (5GY 5/1 to 6/1) NANNOFOSSIL OOZE with BIOCLASTS: CLAY: locally laminated but generally well bioturbated. Thin (few cm) to thick (10's of cm) beds of normally graded to homogeneous silt- to sand-sized BIOCLASTIC PACKSTONE; interbedded with the above ooze. Orientation of the beds is variable suggesting some distortion of the entire sedimentary sequence by soft sediment deformation. Packstone beds display sharp, locally socured bases and transitional tops. The overlying ooze changes in color from disrier greenish gray (with well preserved bioturbated textures) to lighter greenish gray (but equally bioturbated).
					z	53.4%	0	2	franches.		İ		0	SMEAR SLIDE SUMMARY (%): 1, 74
					z	52.4%	50.1%	3		00 = 00 = 00 00 = 00 = 00 00 = 00 = 00		1.		Bioclast 15 40 70
T LEISI OCEINE		CN13b			z	3%	•	4				*********	*	Quartz 7 30 5 10
					z	×	×1.77.	5	Transfer of the state of the st				0	
					z	53.9%	● 78.0%	6					OG IW	
					z	× 4.00.	58.6%	7				1 1 1 1		

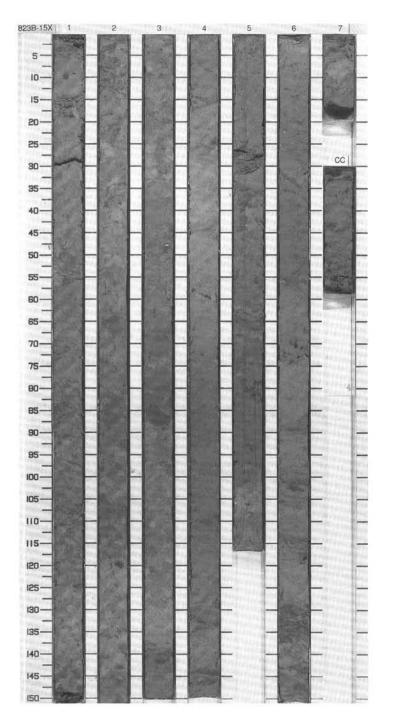


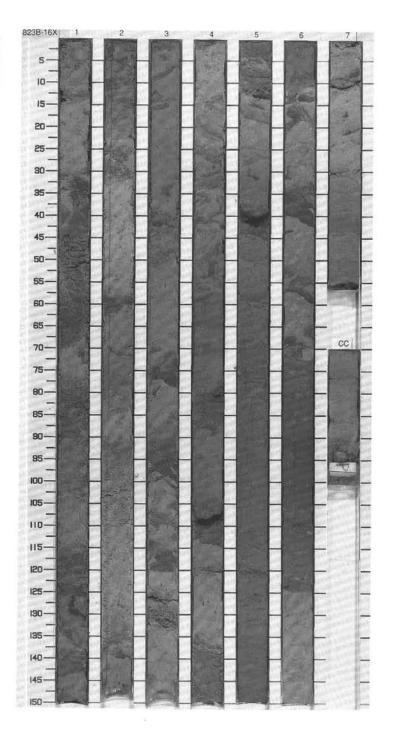
LINO				ZONE/ RACTER	90	LES					URB.	83					
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITHO	LOGIC I	DESCRIPTION
					N2	56.1%	• 49.6%	1	0.5	00 Ga 00 Ga 00				SEDIMENT with BIOCLAS Major Lithology: Gray to li BIOCLASTS. Pyritic burro	STS and QU ght gray (5Y w fills conta	ARTZ; Sk 5/1 to 5\ in SKELE	ASTS; CLAYEY NANNOFOSSIL MIXED KELETAL PACKSTONE with FORAMINIFER Y 7/1) NANNOFOSSIL OOZE with CLAY and ETAL FORAMINIFER PACKSTONE.
									1.0		1	· · · · · · · · · · · · · · · · · · ·		grading down to gray (5Y and QUARTZ. Throughout sized SKELETAL PACKS	5/1) CLAYE it core, dark TONE with creas the top	y NANNO gray (5Y BIOCLAS	OFOSSIL MIXED SEDIMENT with BIOCLAS' 4/1), locally pyritic, normally graded, sand- 5TS (notably prismatic calcite) units. The ba- stional into overlying ooze or mixed sedimen
					N2	1.85		2						COMPOSITION:	3, 84 D	6, 12 D	CF 6, 20 D
									1		-			Aragonite Bioclast Calcite Carbonate particles	3 10 	10	70
NF.	53				N2	1.82	30.2%	3			i	1 1		Clay Dolomite Echinoid Foraminifers Glauconite	30	8	Tr 3 5 2
EISTOCENE	N22 - N2:	CN13b				•	•		1		i	1	*	Micrite Mollusk Nannofossils Pyrite Quartz	45 12	35 30 Tr	15
7	Z				N2	60.0%		4	-		İ	•••		Spicules	***	2	
					_	• 60					İ						
						_	×				İ						
					N2	1.80	• 52.6%	5			İ						
								6		00 CS 00 CS 00 00 CS 00 CS 00 00 CS 00 CS 00			·				
	A/G	A/G						CC	-	00 = 00 = 00	į						



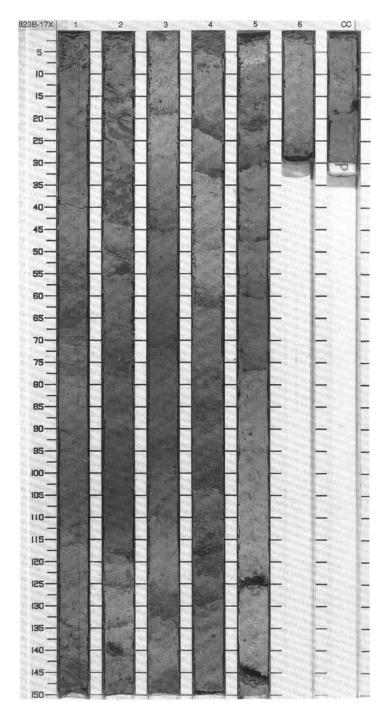


11				ZONE/ RACTER	60	ES					RB.	83		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						57.5%	● 59.1%	1	0.5			* * * *		LITHOCLASTIC RUDSTONE; NANNOFOSSIL OOZE with CLAY; SKELETAL PACKSTONE with FORAMINIFERS Major Lithology: Variegated gray (light to dark; 5GY 4/1 to 6/1; 5G 6/1), lirm, LITHOCLAS' RUDSTONE with a NANNOFOSSIL OOZE with CLAY matrix. Clast lithologies are NANNOFOSSIL OOZE with CLAY but of varying color (shades of gray and greenish gray The base of the unit displays slumped bedding, Clasts show "smeared", deformed edges suggesting oft sediment deformation. Sketelal packstone forms "rinds" a few millimeters thick around many clasts, as well as displaying small pockets and tortuous, anastomosin geometries (possible burrows) which cross-cut and wrap around many of the clasts. Anot major lithology is undisturbed to locally contorted, greenish gray (5GY 6/1 and 5GY 5/1).
						1.88	200	2	-					and bioturbated NANNOFOSSIL OOZE with CLAY. Minor Lithology: Within the above unit, gray (5Y 5/1), very fine to medium sand-sized SKELETAL PACKSTONE with FORAMINIFERS form discrete, thin, normally graded beds Abrupt bases and transitional tops characterize these beds.
EISTOCENE	N23	3b			2	55.0%	● 49.5%	3	-			* & * * * * * * * * * * * * * * * * * *		
PLEIST	N22 -	CN1			Z	54.8%	100000000000000000000000000000000000000	4	-			1 1 5000		
						58.6%	●52.0%● 35.6%	5	-	M = Q @ Q		1 1 2000		
						. 55.1%		6	-	00 08 00 68 00 00 08 00 08 00 00 00 00 00		1		
	A/G	A/G						CC	-		i	1	PAI	

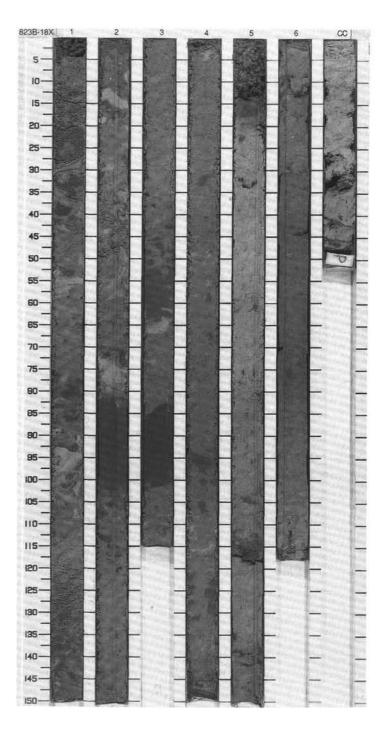




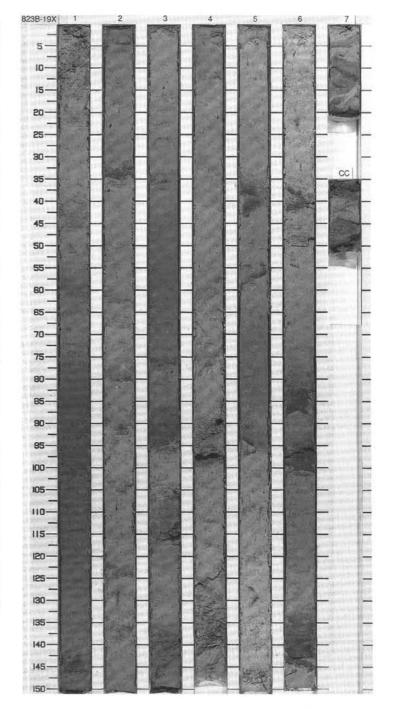
- N		SIL	CHAR	ONE/	s	TIES					URB.	83		
TIME-ROCK U	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						55.9%	● 55.2%	1	0.5			** ** **		NANNOFOSSIL OOZE with CLAY; SKELETAL PACKSTONE with FORAMINIFERS Major Lithology; Gray (5Y 5/1, and local 5Y 7/1), firm, laminated to bioturbated NANNOFOSSIL OOZE with CLAY; Several burrows, centimeters in diameter, are filled with sand-sized SKELETAL PACKSTONE with FORAMINIFERS. Minor Lithology; Gray (5Y 5/1) sand-sized SKELETAL PACKSTONE with FORAMINIFERS forming laminae and beds within the ooze. Several of these units show normal grading, abrupt basal contacts, and more transitional tops into overlying ooze.
						П		П	-	-	ļ	"		SMEAR SLIDE SUMMARY (%): CF
		13							3			11		2, 110 2, 130 4, 102 D D D
		The second second				54.6%		2	111111		İ	# #	* *	COMPOSITION: Bioclast 3 66 Calcite 5 2 Clay 30 15 Dinoflagellate Tr Feldspar 2
ENE	N23					50.6%	●38.5%	3	A company			**		Foraminifers 2 30 Glauconite
PLEISIOCENE	N22 - N	CN13a			~ Z	54.4%		4	-	00 S 00 S 00		**		
						59.7%	● 56.1%	5	and the state of	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		**		
								6				,,,	1	
	A/G	A/G						cc	-		1	11		



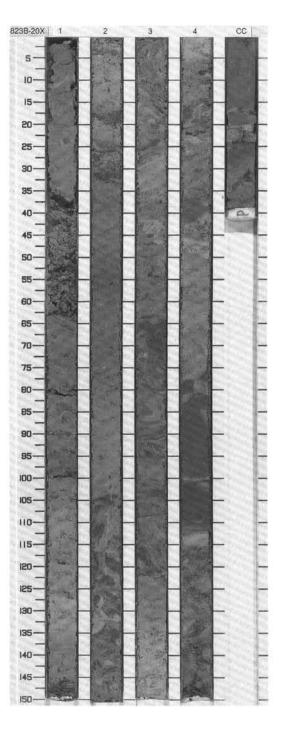
4				ZONE/		90		T				J		
TIME-ROCK UNIT	FORAMINIFERS	_	RADIOLARIANS	DIATOMS	B STEPHENNESS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						52.5%	e 63.3%		1.0	00 G 00 G 00 G 00 G 00 G 00 G 00 G 00		9888 -^-		NANNOFOSSIL OOZE with CLAY and BIOCLASTS; SKELETAL PACKSTONE with FORAMINIFERS Major Lifhology: Greenish gray (5GY 5/1 to 5GY 6/1), firm and bioturbated, NANNOFOSSIL OOZE with CLAY and BIOCLASTS. Dark greenish gray (5GY 4/1) clasts of NANNOFOSSIL OOZE occur within Sections 1 and 4. Minor Lifhology: Gray (5Y 5/1), sand-sized SKELETAL PACKSTONE with FORAMINIFERS form rare interbeds showing typical abrupt bases and transitional tops. Also rare beds of bioturbated WACKESTONE with transitional margins. SMEAR SLIDE SUMMARY (%):
						\$50.1%	70'	2				***	•	3, 34 D COMPOSITION: Bioclast 15 Clay 35 Foraminifers 17 Namolossils 45 Quartz 5 Spicules 17
UPPER PLIOCENE	2 - N23				CN	.51.3%	•58.7% •31.2%		at contract	1	1	# #	og IW	
OPPE	N22					55.4%	00	4	.1			*****		
						57.9%	• 60.2%	5				**		
	A/G	A/G				55.4%	0	6				***	PAL	



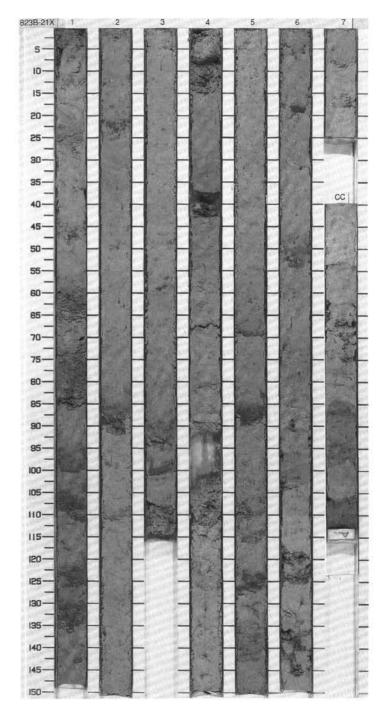
-	BIO FOS	STRA	CHAP	ONE/		S						on.		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					П					1	I	1		NANNOFOSSIL OOZE with CLAY; SKELETAL PACKSTONE with FORAMINIFERS
- (×	×		0.5		li	Ĺ	-	Major Lithology: Gray (5Y 5/1 to 5Y 4/1), firm, bioturbated NANNOFOSSIL OOZE with CLAY
						54.4%	. 50.1%	1	1.0		į	1		Minor Lithology: Gray (SY 5/1) sand-sized SKELETAL PACKSTONE with FORAMINIFERS form common repetitive best throughout the core. Top and bottom margins are both transitional as well as the common occurrence of a sharp, abrupt basal contact.
1											!!	1		SMEAR SLIDE SUMMARY (%):
						1	1		-		1	1		3.62 4.114
									-	00 = 00 = 00	i			D D
						7.			-		!	6	1	COMPOSITION:
						1.81		2	- 3	1	1	1		Bioclast 2 10 Clay 30 15
			- 1			•			1	1	i			Foraminifers 1
									1		1	1	1	Mica 1 Nannofossils 59 64
									-	-,-	1	Γ,	1	Quartz 5 5 Rock fragment 2
									- 1		I			Spicules 2
- 9						.			- 2		li	1		Tunicate 1
ı						1.85	54.5%	3	-	1	ļ	1	*	
ш						9 55	5		1	00 00 00 00	1	,		
Z W	_								1	00 00 00 00 00	1	Г	1	
00	N23	D									!	Г	1	
PLIOCENE	1	12d	-		0		H	-	_		1			
		CN1			S.				1	十 法法	li	1		
UPPER	N22					×			-	1	!	1		
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			Н						7		!	1		
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	C/M	A/M						CC		1 — [11	1	L	

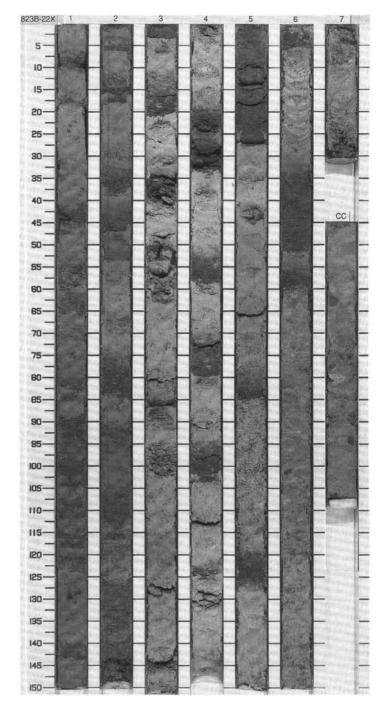


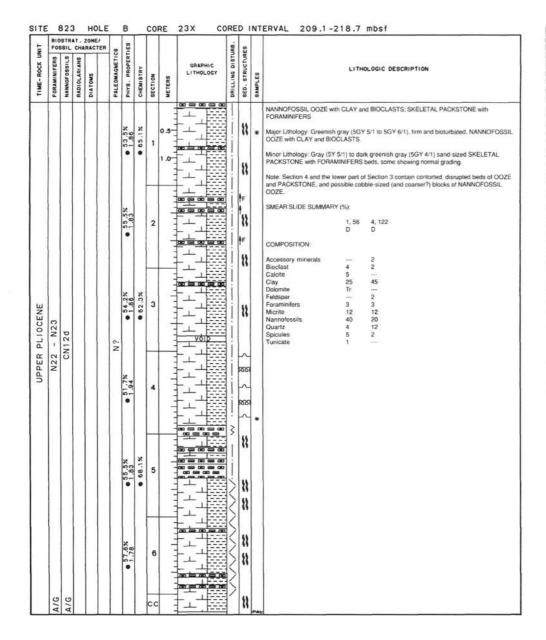
UNIT		STR SSIL			90	168				188				
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB			SAMPLES	LITHOLOGIC DESCRIPTION
						59.8%	. 51.3%	1	0.5- 1.0- 1.0- 1.0- 1.0- 1.0- 1.0- 1.0- 1.0		2 2 2 2			NANNOFOSSIL OOZE with CLAY; SKELETAL PACKSTONE with FORAMINIFERS; LITHOCLASTIC RUDSTONE Major Lithology: From Section 1 through to 100 cm in Section 2, gray (5Y 5/1) NANNOFOSSIL OOZE with CLAY, commonly well bioturbated. Some burrows are filled with sand-sized SKELETAL PACKSTONE with FORAMINIFERS. Minor Lithology: Between Section 2, 100 cm and Section 3, 60 cm - LITHOCLASTIC RUDSTONE to FLOATSTONE with a NANNOFOSSIL OOZE with CLAY matrix. Sand-sized SKELETAL PACKSTONE with FORAMINIFERS occur intercalated with the major lithology and below about 60 cm in Section 3.
PLIOCENE	N23					59.3%		2			-	•		Note, below 60 cm in Section 3, the core displays complex folding and convoluted bedding with all the above lithologies intermixed.
UPPER PLI	N22 - N	CN12d			N2	53.2%	● 56.4%	3			88 7 88	8		
						50.3%		4			* SS *			
	A/G	A/G						СС		600	4	610		

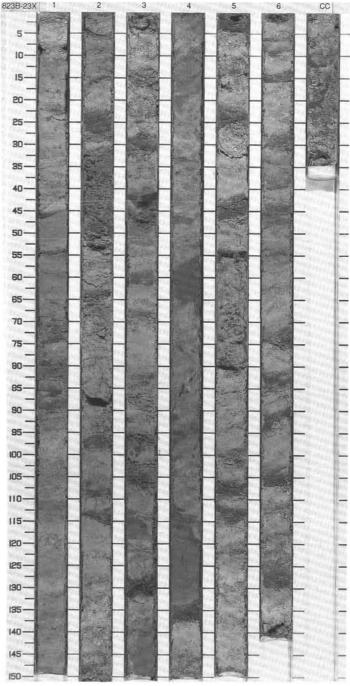


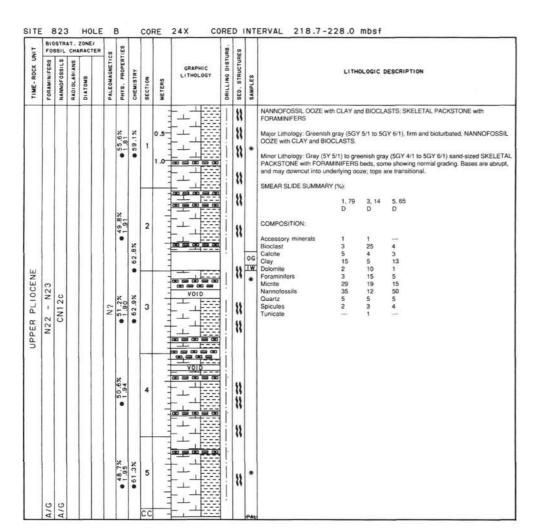
=	BIO FOS	STR	CHA	ZONE/		83	Î				RB.	57		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						. 57.7% 1.83	● 62.9%	1	1.0		0	\ †F †F		NANNOFOSSIL OOZE with CLAY and BIOCLASTS; SKELETAL PACKSTONE with FORAMINIFERS Major Lithology: Greenish gray (5GY 5/1 to 5GY 6/1), firm and bioturbated, NANNOFOSS OOZE with CLAY and BIOCLASTS. Minor Lithology: Gray (5Y 5/1), sand-sized, SKELETAL PACKSTONE with FORAMINIFER some are pyritic.
						• 64.0%		2			1 1 1 1 1	†F		
LOCENE	N23	2d				63.0%	63.6% • 61.3%	3			00	t tr	og	
OFFER PLIOCENE		CN12			N2	62.6%	•	4		V010	 	1	TW.	
						● 55.6%	• 67.8%	5	1		1	•		
						57.5%		6	a restriction of					
	A/G	A/G						7	111111		0000			

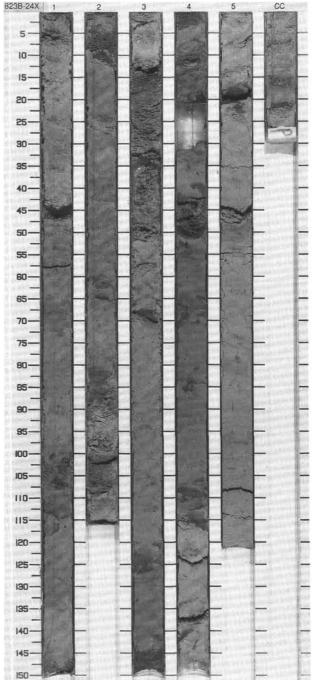




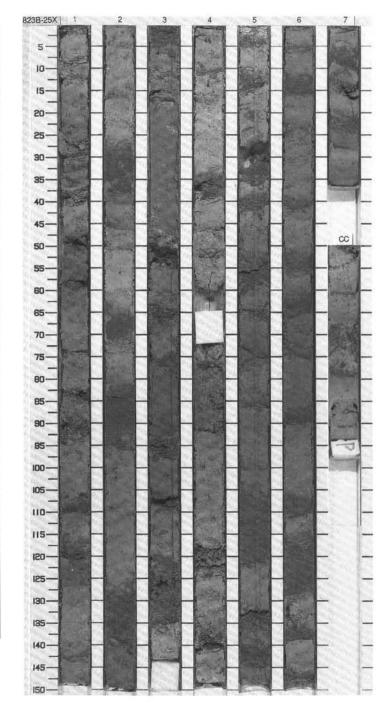




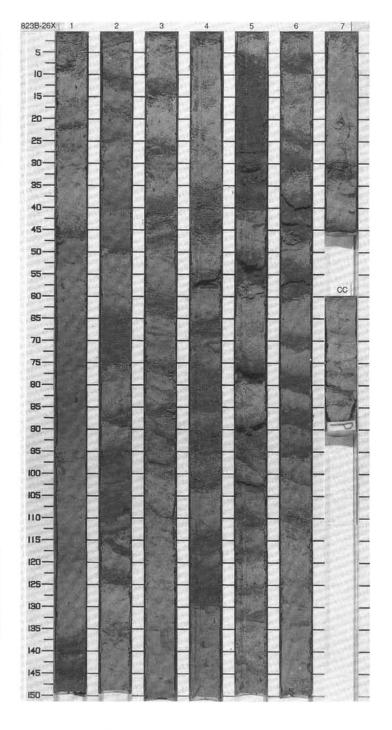


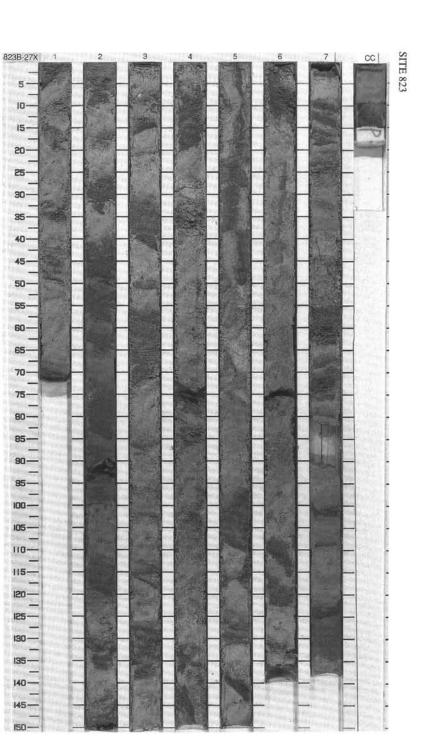


- IN	BIO FOS	STRA	CHAR	ONE/ ACTER	so.	E3				83	60				
TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LIT	HOLOG	SIC DESCRIPTION
						1.78	• 55.6%	1	0 .5 00 00 00 00 00 00 00 00 00 00 00 00 00				FORAMINIFERS Major Lithology: Greenish gray (50 OOZE with CLAY and BIOCLASTS Minor Lithology: Gray (5Y 5/1) to 9	SY 5/1 to , preenish RAMINI	OCLASTS: SKELETAL PACKSTONE with to 5GY 6/1), firm and bioturbated NANNOFOS th gray (5GY 4/1 to 5GY 6/1), sand-sized, litgERS beds. commonly showing normal gradin at
						1.71		2	00 00 00 00 00 00 00 00 00 00 00 00 00	11.0	# # # F	*	SMEAR SLIDE SUMMARY (%): 2, 33 D COMPOSITION:	5. D	1 6.85 D
						•			00 (ca 00 (ca)		# # # # # # # # # # # # # # # # # # #		Accessory minerals 2 Bioclast 26 Calcite 6 Clay 5 Dolomite 2 Feldspar — Foraminifers 10	20 13 Tr	D 38 3 5 3 7 Tr
LLIOCENE	. N23	2b				1.87	●36.8%	3			F		Micrite	8 45 4 3 2	10 5 15 12 2
מבונים	N22 -	CN1			N?	0 60.8%		4	VOID		+F				
						652.1%	935.9%	5	00 GG 00 GG	10	1 11	*			
						1.86		6	20 ES 20 ES		1 2 2 2				
	A/G	9				•		7	00 00 00 00 00 00 00 00 00 00 00 00 00	00	₩ # # # # # # # # # # # # # # # # # # #	•			



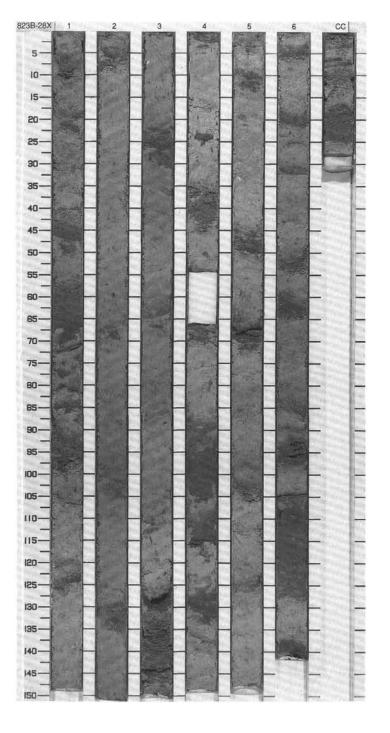
1					ZONE/ RACTE	R S	531					URB.	SES		
FORMANWERS No. 1	TIME-ROCK U	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETIC	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS		DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
Minor Lithology: Gray (2 Not 16 Sty Art 1) to greenish gray (GRA V 15 Sty Art 1) to Gray and produce are abropt and tops are transformal. SMEAR SLIDE SUMMARY (%): 2							×	×		0.5		I			FORAMINIFERS
TO SE OF SECONDARY (%): 2							● 56.6	. 45.5	200			İ	100	*	OOZE with CLAY and BIOCLASTS. Minor Lithology: Gray (5Y 5/1 to 5Y 4/1) to greenish gray (5GY 4/1 to 5GY 6/1) sand-size
1,83										-		İ	∳F		are abrupt and tops are transitional.
COMPOSITION: Composition									П	1		i	***		
Bloclast 3 3 30 3 Clay 15 5 15 Clay 15 5 15 Clay 15 5 15 Clay 15 5 15 Clay 15 5 15 Clay 15 5 15 Clay 15 Clay 15 5 15 Clay 15 Clay 15 5 15 Clay 15 Clay 15 5 15 Clay 15 Clay 15 5 15 Clay 15 Clay 15 5 15 Clay							75.		2		OD 500 00 00 00	li	.0.		
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Column C												ŀ		1	Clay 15 5 15
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Spicules 3 4 3 Turicate 1 1 1 1 1 1 1 1	1									2	00 = 00 = 00	i	•••		Nannofossils 40 17 60
Tunicate 1 1 1	1						2.8		3				1		
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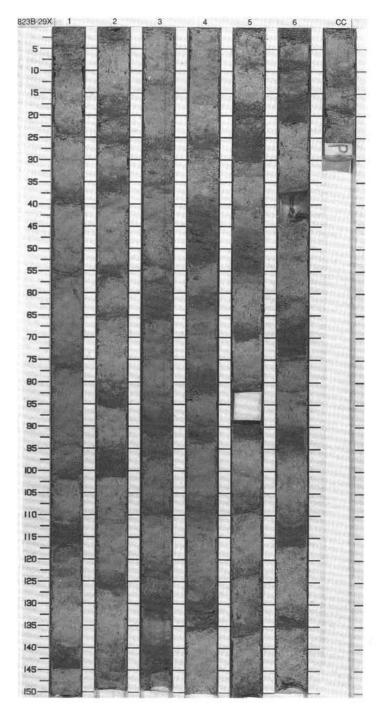


TINO		SSIL			80	TIES				URB	SES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
								1	0.5	五十	**		NANNOFOSSIL OOZE with CLAY and BIOCLASTS; SKELETAL PACKSTONE with FORAMINIFERS Major Lithology; Greenish gray (5GY 5/1 to 5GY 6/1), firm and bioturbated NANNOFOSSIL OOZE with CLAY and BIOCLASTS. Minor Lithology; Gray (5Y 5/1 to 5Y 4/1) to greenish gray (5GY 4/1 to 5GY 6/1) sand-sized SKELETAL PACKSTONE with FORAMINIFERS, commonly showing normal grading.
						7.				000	11		Bases are abrupt and tops are transitional. Note: Section 5 and 6, to 40 cm, both contain complex, disrupted bedding, small to interpreted larger folds (extending beyond the axis of the core); lithologies as above. SMEAR SLIDE SUMMARY (%):
						. 53.4%	- Caraca	2		00	**		3, 40 5, 111 D D
						×	**			四 上		*	Accessory minerals
CENE	N23					1.88	• 62.2%	3			**		Foruminiters 8 12 Micrite 10 15 Nannofossis 20 12 Quartz 13 13 Spicules 4 3 Tunicate 1 1
UPPER PLINCENE	N22 - N	CN12a			NS	54.6%	200000	4	00 (20 00 00 00 00 00 00 00 00 00 00 00 00 0	1	**		
						•					888		
						55.4%	. 60.1%	5			5888		
						,	,			B B B B B	3888		
						. 55.6% 7.84	• 67.5%	6			18		
						52.9%	.6%	-	00 60 00 00		11	ΙW	
	A/M	A/G				932.	19 0	7	VOID		**		

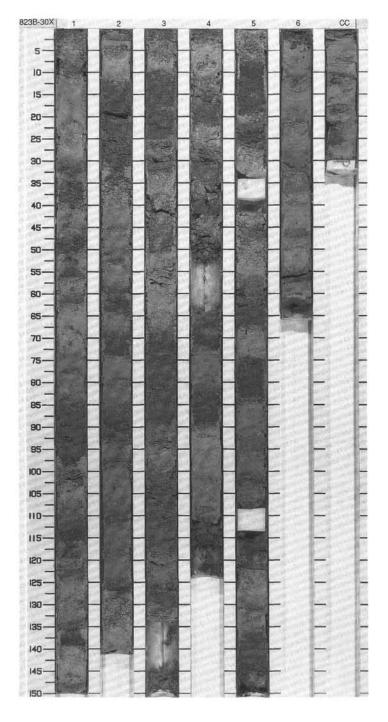
-				ONE/	5	11.53					URB.	SES						
TIME-HOCK O	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITHO	LOGIC D	ESCRIPT	TION
						59.6%	• 61.8%	1	1.0	00 3 00 3 00		**	*	OOZE with CLAY and BIOCL Minor Lithology: Gray (5Y 5/ medium sand-sized SKELET, normal grading. Bases are al	ay (5GY ASTS. I to 5Y 4 AL PACH brupt an	5/1 to 50 /1) to gre (STONE	enish gra with FOF	ay (5GY 4/1 to 5GY 6/1) fine- to
						56.5% 1.82			The state of	20 53 00 CB 00 		11		SMEAR SLIDE SUMMARY (9	%): 1, 62 D	3, 75 D	3, 77 D	6, 50 D
						• 56. 1.8		2	1111	000 SS 000 SS 000 000 SS 000 SS 000	 -	2 2 2		COMPOSITION: Accessory minerals Apatite Bioclast Calcite	Tr 35	2 15	 8 1	2
LICCENE	N23	e :				55.0%	• 63.5%	3		00 00 00 00 00 00 00 00 00 00 00 00 00		# #	**	Clay Dolomite Feldspar Foraminfers Micrite Nannolossits Quartz Rock fragment Spicules	7 24 20 6 4 4	15 1 13 25 13 15	30 10 42 4 5	5 10 18 12 13 8
		CN12			N	57.0%		4	or broad to	20 20 00 20 00 00 00 00 00 00 00 00 00 0		11 12 15						
						55.1%	\$1.1X	5	in the relation	00 60 00 60 00 00 60 00 60 00 00 60 00 60 00 00 60 00 60 00 00 60 00 60 00 00 60 00 60 00 00 60 00 60 00		22						
						• 55.2% 1.85		6				1	*					



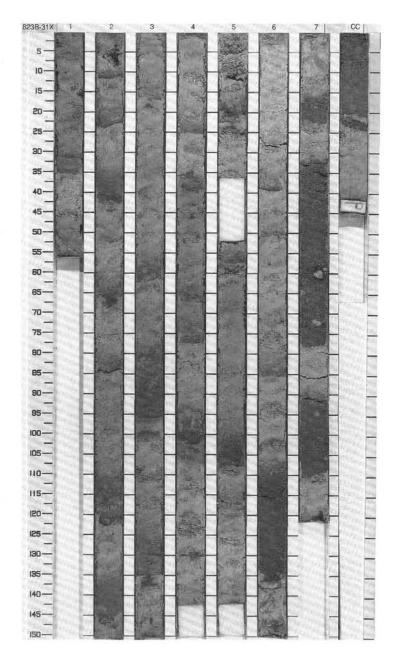
-				ZONE/ RACTER		95						60		
TIME-ROCK UNI	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED, STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						54.1%	● 58.1%	1	0.5		1 1 L L	**		NANNOFOSSIL OOZE with CLAY and BIOCLASTS; SKELETAL PACKSTONE with FORAMINIFERS Major Lithology: Greenish gray (5GY 5/1 to 5GY 7/1), firm and bioturbated NANNOFOSSIL OOZE with CLAY and BIOCLASTS. Minor Lithology: Gray (5Y 5/1 to 5Y 4/1) to greenish gray (5GY 4/1 to 5GY 6/1) fine- to medium sand-sized SKELETAL PACKSTONE with FORAMINIFERS, commonly showing normal grading. Bases are abrupt and tops are transitional.
						57.4%		2			1 1 1 1 I	***		
UPPER PLIOCENE	N21	CN12a			N.3	• 56.7×	● 59.1%	3	2001		1 1 1 L			
200		O				• 57.0% 1.82		4				***	1	
						• 60.1% 1.73	● 66.2%	5		00 0 00 0 00 00 0 0 0 0 0 00 0 0 0 0 0	<u>+</u>	**	1	
	A/G	A/G				58.6%		6	-	(D = (D = (D = (D = (D = (D = (D = (D =	+ + + + + + + + + +	**		



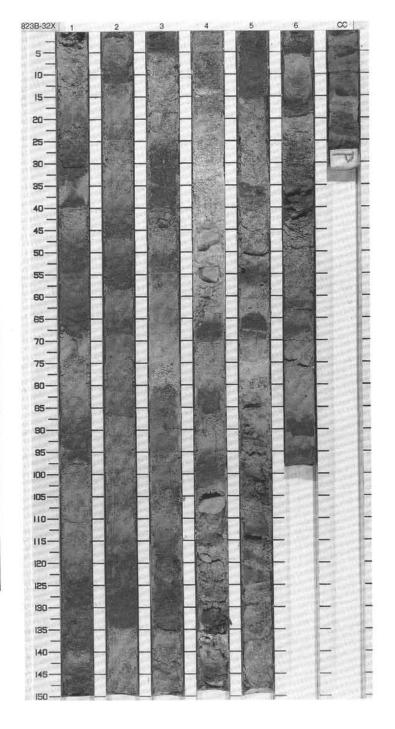
TINO				ZONE/ RACTE	R	831					RB.	S					
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	Li	THOU	OGIC D	ESCRIPTION
						. 61.8%	. 68.1%	1	0.5		1 1 1 1	######################################	*	FORAMINIFERS Major Lithology: Greenish gray (5 OOZE with CLAY and BIOCLAST becomes dark greenish gray (5G' Minor Lithology: Gray (5Y 5/1 to 5	5GY 5 TS. FC SY 4/1 5Y 4/1	/1 to 5G DRAMIN) in Sect 1) to gree STONE	enish gray (5GY 4/1 to 5GY 6/1) fine- to with FORAMINIFERS, commonly showing
						56.8%	.58.6%	2	13		+ + + + +	10		SMEAR SLIDE SUMMARY (%): 1, 8 D COMPOSITION: Bioclast 15 Calcite 77 Clay 30 Foraminilers 10		1, 96 D 25 Tr 20 25	OF 1, 96 D
OFFER PLIGGENE	N21	CN12a			N S	• 50.0%	\$1.82 ●	3	G G	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u>+</u> + + +	F		Glauconite Mica Nannofossils 36 Quartz 5 Rock fragment Spicules 4		21 5 4	4
)						• 56.4% 1.84		4			_	**	og				
				51		. 56.1%	₩6.03 ●	5	- GE		_ _ _ _	•••	\vdash				
	A/G	A/G						6 CC	-01		1 1 1	.0.					



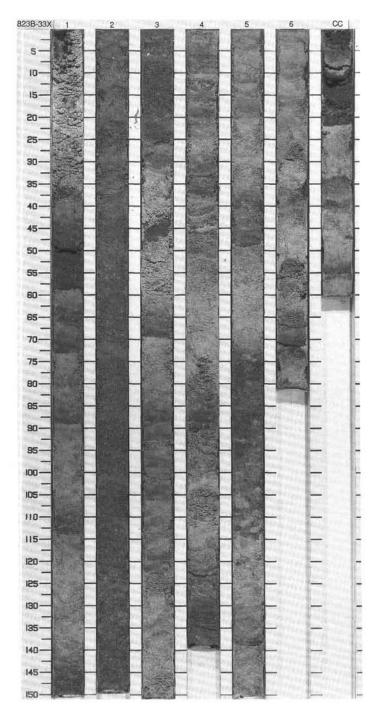
		STR	AT.	HO					COI		31X C0	-3	П		ERVAL 286.0-295.6 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS F	RADIOLARIANS	RACT	ER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
									1	0.5	VOID	~~~			FORAMINIFER NANNOFOSSIL OOZE with MICRITE to CLAYEY NANNOFOSSIL OOZE with MICRITE to FORAMINIFER BIOCLASTIC PACKSTONE with QUARTZ and CLAY Major Lithology: Gray (5GY 6/1 to 5GY 5/1) bioturbated FORAMINIFER NANNOFOSSIL OOZE with MICRITE, interbedded with dark gray (5GY 5/1 to 5GY 4/1) bioturbated CLAYE NANNOFOSSIL OOZE with MICRITE. Minor Lithology: Dark gray (5GY 4/1) FORAMINIFER BIOCLASTIC PACKSTONE with QUARTZ and CLAY, consisting of line sand-sized particles grading upwards to silt, and wi
							3			- 3					a sharp base. Bed thickness varies from a few millimeters to some centimeters.
											ac = ac = ac	ㅗ	11	*	SMEAR SLIDE SUMMARY (%): 2, 39 2, 129 4, 100
							1.80		2		00 00 00 00 00 00 00 00	上			D D M
										2	ao ao ao ao ao ao	ı	11		COMPOSITION: Apatite 1 1
				Ш							00 = 00 = 00		•••	*	Bioclast 10 3 15 Calcite 10
					-					- 6	— ao ⇔ao sigo	1	11		Clay 25 15 10 Foraminiters 20 3 30
										- 3	ao es ao es ao	T	#		Mica 1 Nanofossils 25 60 30 Ouartz 7 2 10
							1.91	45.9%	3		_+_		11		Ouartz
								•		- 3	ao (a) ao (a) ao	_	11		Carried Control of the Control of th
NE					-						on = op = on	1	11		
PLIOCENE	01N	2a							П	:	00 00 00 00 00	1	"		
P	8	CNI		П		N2	.83			-	-	_	11		
UPPER	N18						57.		4		+	1	11		
9					1					-	00 (30 (40 (90 (,	***	*	
										- 3	+	Ť	11	TW	
				П							OD (50 OD 150 OD	1	•••	1	
				Н			1.82	58.4%	5	-	VOID	ī	11		
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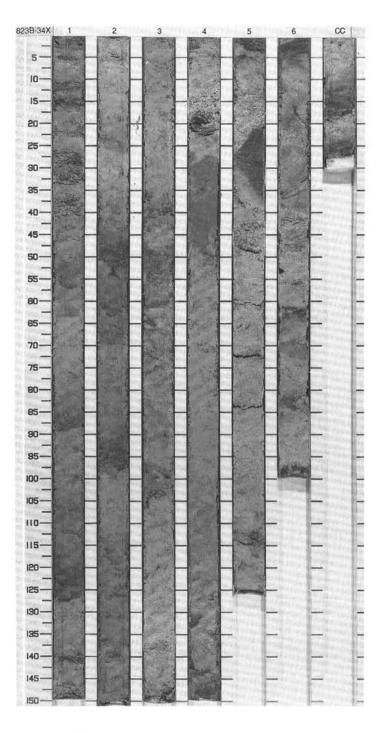
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TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITHO	LOGIC T	DESCRIPT	FION
						• 54.2% 1.89	×0.07 •	1	0.5			11		to FORAMINIFER NANNOFOS Major lithology: Dark gray (5G' generally normal grading from grades upward into a gray (5G finally into a light gray (5GY 7/ Minor lithology: Gray (5GY 5/5)	Y 4/1) F in fine sa in 5/1) (1) to gri 0LOMI	OZE ORAMIN and-size to CLAYEY ay (5GY) erately to	WIFER BIC to silt-size NANNOF 6/1) FOR/ well lithifi AMINIFEF	NANNOFOSSIL OOZE with MICRIT OCLASTIC PACKSTONE, showing CLASTIC PACKSTONE, showing OSSIL OOZE with MICRITE and AMINIFER NANNOFOSSIL OOZE. ed DOLOMITIC NANNOFOSSIL T NANNOFOSSIL CHALK appear Section 4 onwards.
						1.92		2	The section		<u>+</u>	10		COMPOSITION:	1, 12 D	1, 24 D	5, 76 D	5. 79 D
R PLIOCENE	8 - N19	CN12a			N 2	54.0%	● 51.6%	3			- + +	**		Clay Dolomite Feldspar Foraminifers Micrite Nannofossils Quartz Siliceous sponge spicules	5 5 83 2	10 7 10 53 5 Tr	20 5 24 40 Tr Tr 1	5 40 2 Tr 20 25 3
OFFER	LN.					9 56.3%		4				**						
						957.2%	● 78.4%	5	i de la contraction de la cont	30 5 00 5 0 30 5 00 5 0		**	· * *					
	A/G	A/G				• 50.2% 1.96		6				***						



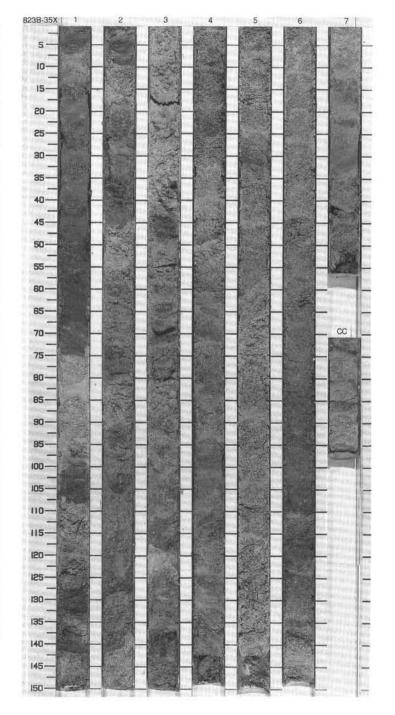
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TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION	
					T	T				, ', 5555	П	11	*	NANNOFOSSIL CHALK to SKELETAL FORAMINIFER PACKSTONE	
						53.2%	● 59.4%	1	0.5	30 to 40 to 40	i	11	•	Major lithology: Moderately bioturbated, NANNOFOSSIL CHALK with colors ranging i light gray (N7) to light greenish gray (SGY 7/1) to dark greenish gray (SGY 4/1), alten with dark greenish gray (SGY 4/1) to dark gray (N4) partially lithified SKELETAL FORAMINIFER PACKSTONE beds. SMEAR SLIDE SUMMARY (%):	rom
							H	П				Ħ		1,20 1.55 1.60 2.92 4.135	
								Н		00 m 00 m 00	1	"		D M D D M	
									1	00 (S) 00 (S) 00		11		COMPOSITION:	
						× 00			-	00 = 00 = 00	! !	•••		Bioclast 5 45 15 15	
				f		53.9%		2	-	a = a = a	1	•••		Carbonate particles 15 15 10 Clay 15 15	
					Ŧ	•			1	op es op es op	1 [•••	*	Foraminifers 10 40 5 5 75	
										00 50 500	1 1	•••		Glauconite Tr Nannotossits 60 52 55	
							1		2		1	•••		Quartz 15 3 5 10	
										00 to 00 to 00	1	•••		Spicules 10 10 10	
	Ш								3			11			
:		- 1		- [1	op = op = op	i L				
5	0					52.2%	67.5%	3	172		ļ [11			
LIOCENE	Z	2a			1	52	67	-	- 3	1 2555	1	"			
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	8	CN1			1-				-	T T		"			
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N. L. L.	1	1	- 1	- 1			-	\neg	- 3	+++====					
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	A/G	A/G						cc	-	1 5555		11			
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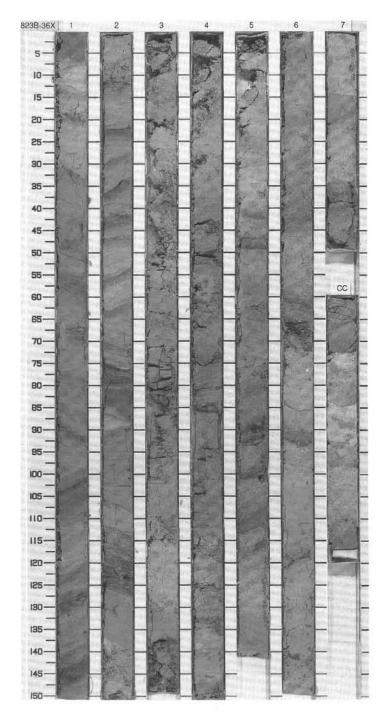
T-IND				ZONE/ ARACTE	R	831					URB.	83		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DAI FOMACMETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						\$57.9%	• 56.7%	1	0.5			***		NANNOFOSSIL CHALK to SKELETAL FORAMINIFER PACKSTONE Major lithology: Light gray (5GY 7/1) to light greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1), moderately bioturbated NANNOFOSSIL CHALK. Minor Lithology: Gray (5GY 5/1) partially lithified SKELETAL FORAMINIFER PACKSTONS Small slump folds appear in Section 4, at approximately 20 cm, Section 5, around 25 cm a Section 6, at 40 cm.
						• 52.2%	200	2	and conferen			**		
ER PLIOCENE	N18 - N19	CN12a			CN	. 55.0%	● 50.4%	3	and confront	20. 20. 30. 30. 30.	 	**		
OPPER	Z					54.3%		4	- Indiana		i	<u> </u>		
						. 56.4%	• 80.4%	5		(D) (E) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D		÷		
	A/G	A/G				. 56.4%	*0.	6	The state of the s			AF	PAL	



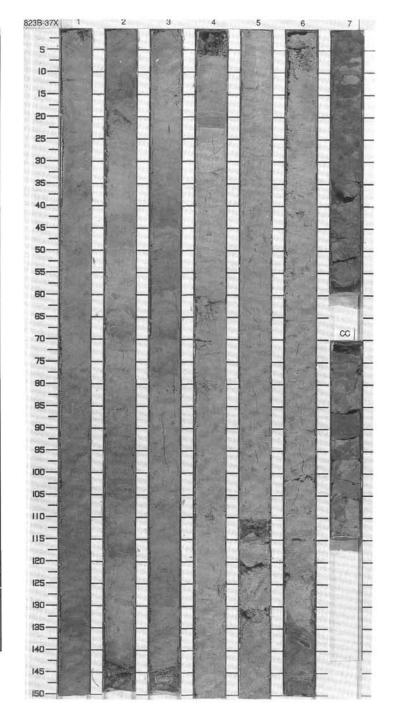
UNIT	B10	STR	CHA	ZONE/ RACTER	69	831					RB.	ES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						54.9%	• 58.1%	1	0.5	(D) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	1	* *	-	NANNOFOSSIL CHALK to SKELETAL FORAMINIFER PACKSTONE Major lithology: Light gray (5GY 7/1) to dark greenish gray (5GY 4/1) NANNOFOSSIL CHALK. Minor Lithology: Dark gray (5GY 4/1), partially lithilled, SKELETAL FORAMINIFER PACKSTONE. These layers generally possess a scoured base and show normal grading from fine sand-size to silt-size. Inclined layers occur at the bottom of Section 4 and in the middle of Section 5. COARSE FRACTION SUMMARY (%):
						• 55.7% 1.83		2		30 G 30 G 30		***		1, 104 M COMPOSITION: Bioclast 20 Foraminifers 65 Quartz 15
OFFER TELOCENE	- N19	2a			N2	62.6%	%£.69 ●	3	Total Control	50 5 00 5 00 0 5 00 5 00	www	= = = =		
משרייט	N18	CN1				53.5%		4	The second second			:::		
						● 58.6% 1.84	● 72.6%	5				= = =		
						51.9%		6				11 11		
	A/G	A/G						7		1 1 2		**		

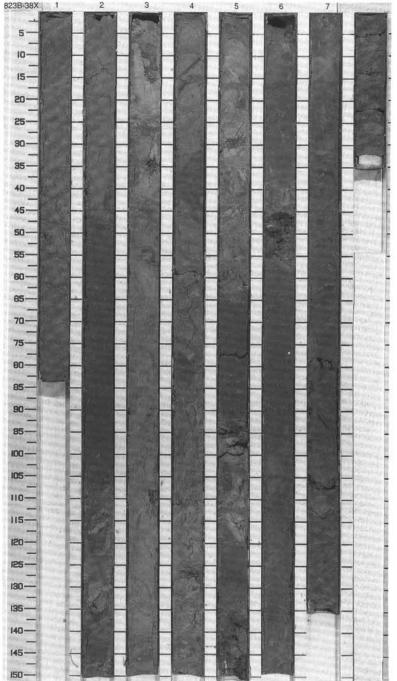


CNIT	FOS	STR	CHA	ZONE/ RACTER	9 9	ES					RB.	83		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						51.9%	.0.73	1	0.5	30 53 05 05 05 30 53 05 05 05 30 53 05 53 05	_ _ _	**	*	NANNOFOSSIL CHALK with FORAMINIFER and BIOCLASTS Major lithology: Light gray (5GY 7/1) to dark greenish gray (5GY 5/1), finely laminated an moderately burrowed NANNOFOSSIL CHALK with FORAMINIFERS and BIOCLASTS. Laminations are due to subtle color variations. Minor lithology: A few thin (up to several cm thick), dark gray (5GY 5/1), partially lithlified SKELETAL PACKSTONE beds occur in Section 1, between 30 and 33 cm and 145-149, Section 2, between 24 and 25 and 79-83 and Section 5, at 40, 50 and 90 cm.
						55.9%		2		30 S 30 S	+ + + +	11		SMEAR SLIDE SUMMARY (%): 1, 74 D COMPOSITION: Bioclast 10 Foraminiters 10 Namnofossits 73 Quartz 5
PLIOSENE	- N19	12a			NS	60.3%	• 74.3%	3			VF F F	1 1 1		Spicules 2
OL LEN	N18	CN1			2	64.5%		4		VOID	, , , ,	1 1		
						● 56.5%	×4.09 •	5	9	20 20 25 26	+	* * * *		
						64.4%	65.5%	6			т т	***		
	A/G	A/G						7 CC			1 1	m		

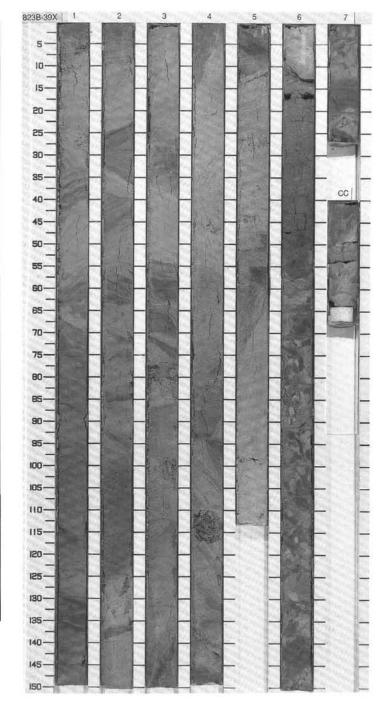


5			T. Z	ACTER	99	IE8					RB.	60			
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION	
						57.9%	55.5%	1	0.5		I	***		NANNOFOSSIL CHALK with BIOCLASTS and FORAMINIFERS Major lithology: Light gray (5GY 7/1) to dark gray (5GY 4/1), heavily biotur NANNOFOSSIL CHALK with BIOCLASTS and FORAMINIFERS.	
						•	•		1.0			111		Minor lithology: From the bottom of Section 6 onwards the dominant litholo 5/1) LITHOCLASTIC RUDSTONE with clasts of laminated NANNOFOSSIL of slump folds. SMEAR SLIDE SUMMARY (%):	CHALK and pier
						55.3%						11		2,70 2,96 4,35 D D D	
						9.55		2				11	*	COMPOSITION: Aragonite	
rei oceme	19					• 54.2% 1.91	● 70.3%	3				***		Clay 5	
מייבו	N18 - N1	CN12a			N2	● 55.1% 1.85		4				111 111 111			
						\$7.1% 1.86	.77.5%	5				111 111 111 111			
						57.1%		6				**			
	A/G	A/G						7				>+>+>			

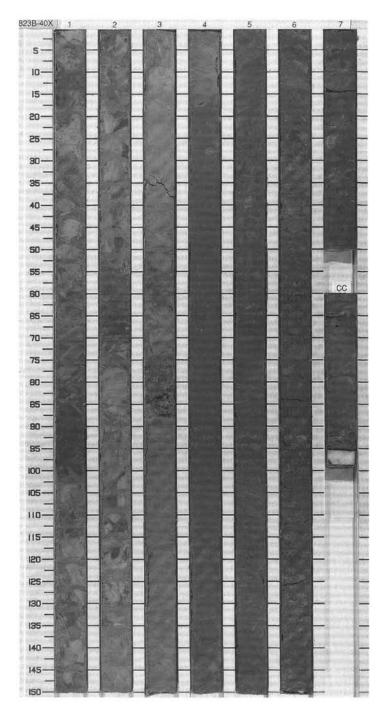




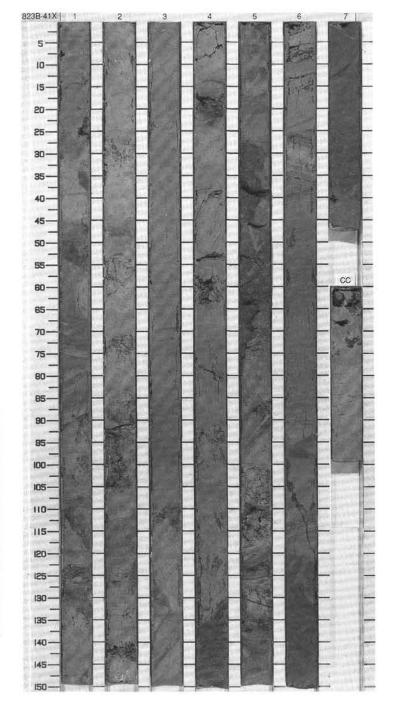
11				ZONE/ RACTER	90	ES					SS SS		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPH LITHOLO	ogy .	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						56.4%	•	1	1.0	8 a 8 a 8 a 8 a 8 a 8 a 8 a 8 a 8 a 8 a	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		NANNOFOSSIL CHALK with CLAY and BIOCLASTS to CLAYEY NANNOFOSSIL CHALK with QUARTZ Major lithology: Gray (5Y 6/1) NANNOFOSSIL CHALK with CLAY and BIOCLASTS afternating with dark gray (5Y 4/1) CLAYEY NANNOFOSSIL CHALK with QUARTZ. Both lithologies are finely laminated, Most of the section is slumped. Minor lithology: Gray (5GY 6/1), partially lithified, FORAMINIFER PACKSTONE with BIOCLASTS intercalations appear in Section 3 at 30 cm and between 140-150 cm. In Section 6 there is another one extending from 10 to 50 cm, with a consistent grain size in the range of medium to fine sand. At the bottom of Section 6 (50-150 cm) and in Sections and CC there is a LITHOCLASTIC RUDSTONE, with clasts of NANNOFOSSIL CHALK and CLAYEY NANNOFOSSIL CHALK and
						55,3%		2		3 8 4 8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	SMEAR SLIDE SUMMARY (%): 2, 66
PLIOCENE		a				.56.6%	• 62.8%	3	00 = 00		T 288		Bioclast 20
LOWER PL	5	CN11			N2	52.9%	7000	4		928282828282828282			
						58.8%	74.8% • 78.4%	5		8484848484848	1 × ×	og	
						.8.8. .9.6.	•	6		9494949494949494	⊥ ~~ ↓ ~~ ↓ ~~ ↓ ~~	2	
	C/M	A/M						7 CC		8 9 9	⊥		

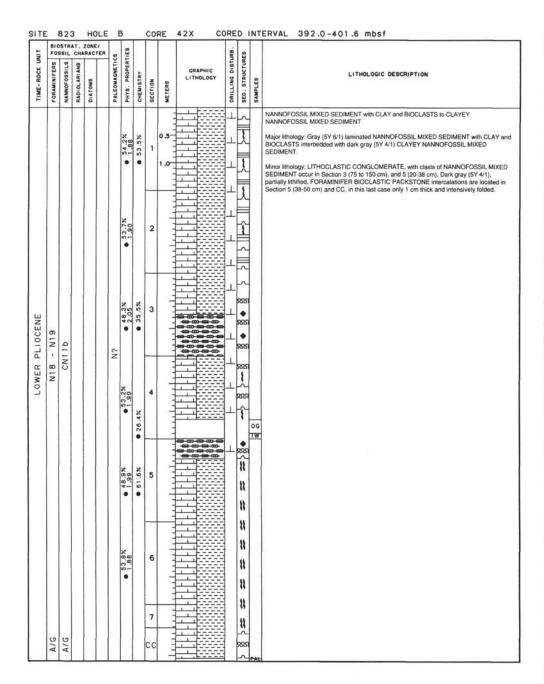


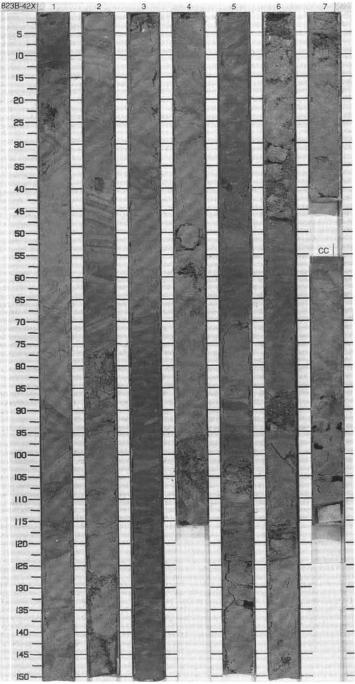
ITE	-	_		HOLE	_ B			COP	RE	40X C0	REI	0 1	NT	ERVAL 372.7-382.4 mbsf
LINO	FQ	SSIL	AT. CHA	ZONE/ ARACTER	60	ES .					JRB.	ES		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						51.4%	● 52.2%	1	0.5		<u> </u>	* \		NANNOFOSSIL MIXED SEDIMENT to COARSE LITHOCLASTIC MIXED SEDIMENT Major lithology: Light gray (5GY 7/1) to dark gray (5GY 4/1), finely laminated and slumpe NANNOFOSSIL MIXED SEDIMENT mixed with coarse grained (conglomerate-sized) LITHOCLASTIC MIXED SEDIMENT with clasts and matrix with the same composition as the finer grained mixed sediment.
						9.51.8%		2	A CONTRACTOR OF THE CONTRACTOR	**************************************		***************************************		
LOWER PLIOCENE	2	CN11b			N 2	52.2%	*8.8%	3			1	- A		
LOWER		CN				947.7%		4	Property Contracts		1 1 1	* * * * * * * * * * * * * * * * * * *		
						48.2%	• 44.5%	5	The Contract of Contract		1 1 1 1 -	* > * 88 > 88 * < *		
						47.1%		6	and the state of		_ _ _ _ _ _ _ _ _	0 ×		
	C/M	A/M						7 CC			Т Т	~~		



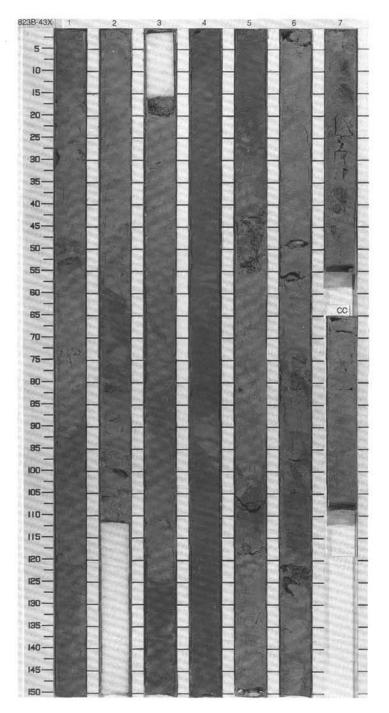
1	FOS	STR	AT.	ZONE!	çn	ES					RB.	S		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILL	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						61.4%	• 62.1%	1	0.5		т т	2888		NANNOFOSSIL CHALK to CLAYEY NANNOFOSSIL MIXED SEDIMENT Major lithology: Light gray (5GY 7/1) to dark gray (5GY 4/1), bioturbated to laminated NANNOFOSSIL CHALK is the prevailing lithology in Sections 1, 2, 4, 5, 6, 7 and CC. In Section 3 if is a gray (5GY 6/1), bioturbated CLAYEY NANNOFOSSIL MIXED SEDIMENT Minor lithology: Dark gray (5GY 4/1), partially lithified BIOCLASTIC FOFAMINIFER PACKSTONE occurs in Section 4 (from 130 to 146 cm) and Section 5 (around 40 to 70 cm), in this last case within a slump fold. Dark gray (5GY 4/1) LITHOCLASTIC RUDSTONES occur at the bottom of Section 6.
						56.9%	707	2	-		1	~ 888 ~ 888		SMEAR SLIDE SUMMARY (%):
PLIOCENE	19					53.7%	● 51.5%	3	-		_ _ _ _ _	** ** **	*	Foraminifers 3 60 Nannotossils 50 Quartz 2
LOWER TLI	N - 81N	CN11b			N2	• 57.8% 1.89		4		m-m-m-m m-m-m m-m-m-m m-m-m-m m-m-m-m m-m-m-m m-m-m-m m-m-m-m m-m-m-m	1 1	11 11 11 11	0	-
						54.1%	₩0.99	5	-		<u>+</u>	2000 2000 2000 2000 2000 2000 2000 200		
						52.7%		6	-		_	11		
	A/G	A/G						7				11		



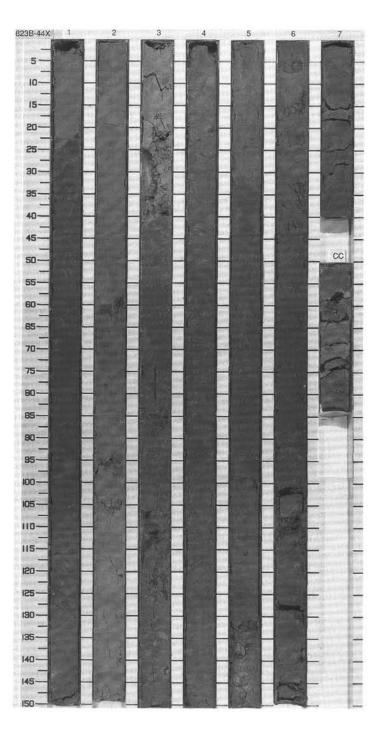


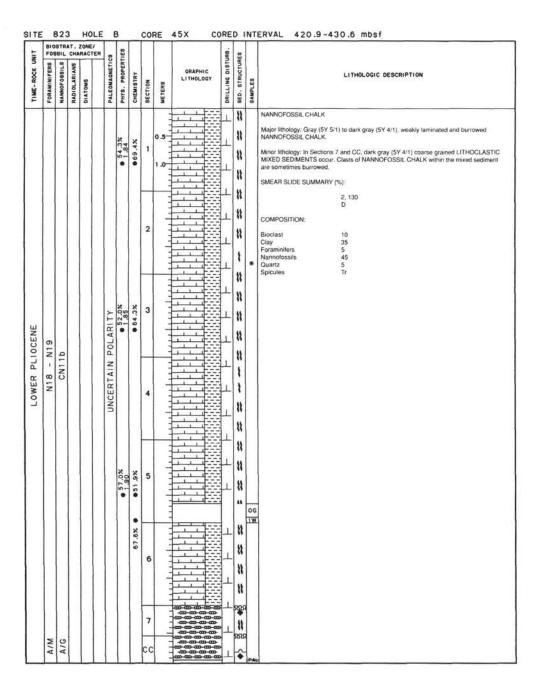


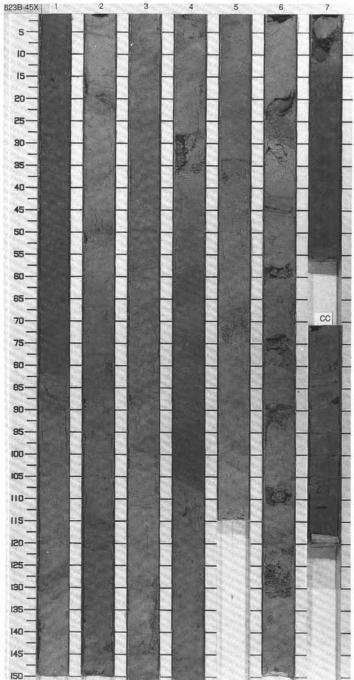
=	FOR	SSIL	AT.	ZONE/	R		ES	1				RB.	99		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLIOCENE	N18 - N19	CN11b		10		N N N N N N N N N N N N N N N N N N N	1.91	● 60.6% ● 44.4% Ct	1	0.5	VOID VOID			18	NANNOFOSSIL MIXED SEDIMENT Major lithology: Gray (SY 9/1) to dark gray (SY 4/1), finely laminated and burrowed, NANNOFOSSIL MIXED SEDIMENT. Minor lithology: Some very minor, centimeter thick, dark gray (SY 4/1) partially lithilised BIOCLASTIC FORAMINIFER PACKSTONE intercalations are located in Sections 5 and 6
	A/G	A/G							7			<u></u>	11	PAI	



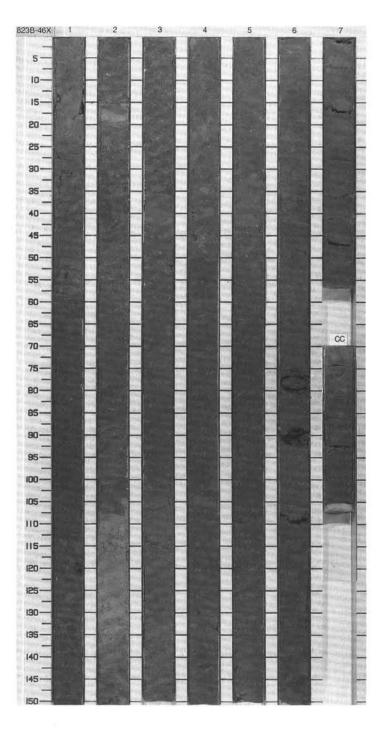
Ħ	FO:	SSIL	CHA	ONE/	R on	, 1	83					88.	95		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS		PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED, STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLIOCENE	Бовини	CN11b NAMOGE	RADIOLAN	DIATOMS	N2 PALEONA	49.6%	2.01 PHYS.	, c. 7.5 • 37.3%	1	803.5			= = = = = = = = = = = = = = = = = = =	*	CLAYEY NANNOFOSSIL MIXED SEDIMENT with BIOCLASTS and DOLOMITIC NANNOFOSSIL CHALK with CLAY Major lithology: Interlaminations of gray and dark gray (57 6/1 to 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT with BIOCLASTS. A great part of the section is slumped. Bioturbation is locally very intense. Dark gray (57 4/1) DOLOMITIC NANNOFOSSIL CHALK with CLAY occurs in Sections 5 (from 130 to 150 cm). 6, 7 and C Minor lithology: LITHOCLASTIC RUDSTONE with class of gray NANNOFOSSIL CHALK and dark gray CLAYEY NANNOFOSSIL CHALK in a matrix of gray NANNOFOSSIL CHALK appear in Section 4, from 0 to 112 cm. This deposit is highly burrowed. Burrows postdat the deposition of the debris flow as they crosscut matrix and lithoclasts. SMEAR SLIDE SUMMARY (%): 2, 109 6, 89 D D COMPOSITION: Bioclast 10
	C/P								7			_ _ _	# # # *	*	



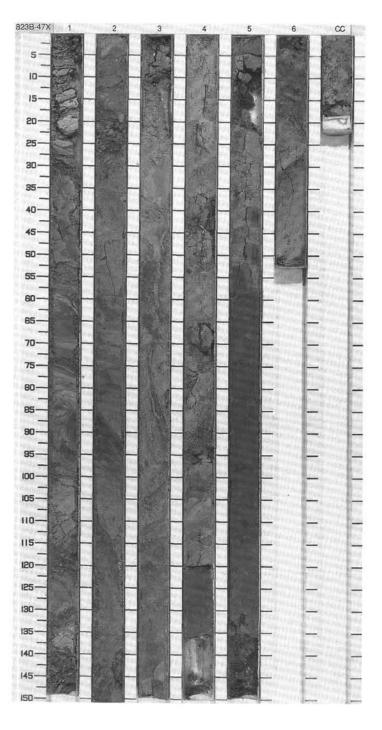




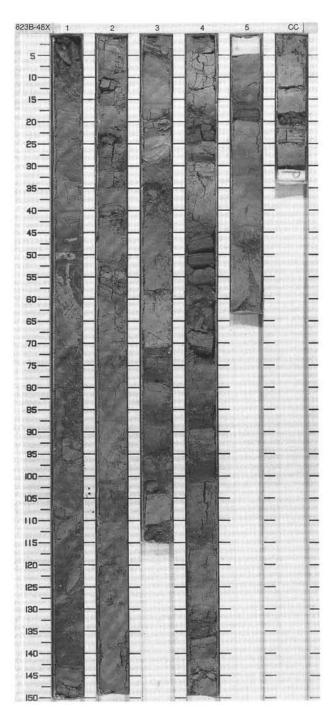
-	810 F08	STR	AT.	ZONE/	ER _	83					. gg	60		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						47.8%	37.0%	1	0.5		ч ч ч	588		NANNOFOSSIL MIXED SEDIMENT to CALCAREOUS SANDSTONE/SILTSTONE with BIOCLASTS, CALCITE and PYRITE: LITHOCLASTIC MIXED SEDIMENT Major lithology: Greenish gray (5GY 5/1) to dark greenish gray (5GY 4/1) NANNOFOSSII MIXED SEDIMENT to CALCAREOUS SANDSTONE/SILTSTONE with BIOCLASTS, CALCITE and PYRITE. In places this lithology is slumped and broken into pieces forming coarse-grained LITHOCLASTIC MIXED SEDIMENT. SMEAR SLIDE SUMMARY (%): 2, 136 4, 13 4, 13
							•	2			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$885 \$1 \$1	*	2, 130 4, 13 4, 13
PLIUCENE	0119	9			POLARITY	• 47.0%	● 45.1%	3			_ _ _ _	2828 2828 2828		Pyrite 9 10 Quartz 5 5 8 Spicules 2 1 1
COMEN TEL	N18 - N	CN113			UNCERTAIN P			4				\$888 \$888		
						45.5%	• 33.7%	5	-		1 1 1	\$885 \$885		
								6	1		т т	\$888 \$888 \$W \$888 \$W \$888		
	A/G	A/G						7			1	\$888		



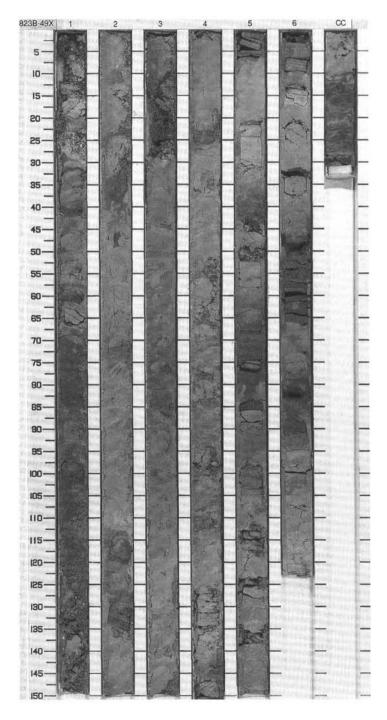
TINO				RACT	60	8311				RB.	83			
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHI LITHOLO		SED. STRUCTURES	SAMPLES	LITH	OLOGIC DESCRIPTION
						3-1	• 71.6%	1	0.5		1 1		CALCITE Major Lithology: Gray (5Y 6/1) to discontorted and slumped NANNOFOS BIOCLASTS and CALCITE. Minor Lithology: Locally, some very PACKSTONE intercalations occur.	EDIMENT to SILTSTONE with BIOCLASTS and irk greenish gray (5GY 4/1), finely laminated, highly SIL CHALK to MIXED SEDIMENT to SILTSTONE with fine (centimeter thick), partially lithified BIOCLASTIC They are located in Sections 3, 4, 5, 6 and 7.
					×			2			1	*	SMEAR SLIDE SUMMARY (%): 2, 72 D COMPOSITION: Bioclast 20 Calcite 1 Clay 10 Feldspar 1	6. 17 M
LOWER PLIGGENE	N18 - N19	CN11a			UNCERTAIN POLARITY	1,98	● 68.1%	3			2000		Foraminiters 5 Glauconite Micrite 15 Nannofossils 44 Pyrite 1 Quartz 1 Spicules 2	30 2 10 2 10
The second second second					NO			4	50 00 00 00 00 00 00 00 00 00 00 00 00 0		1 1			
					46.49	2.02	• 28.7%	5			11 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15			
	A/G	A/G						6	90 50 90 S	3 4 4	1	*		



- IN				ZONE/	0.5	80	TIES				URB.	SES		
TIME-ROCK U	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS	Control of the Control	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							99.1%	63.5%	1	.0 0 0 0 0	1	*****		NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and MICRITE; BIOCLASTIC PACKSTONE Major Lithology: Light greenish gray (5GY 7/1) to dark greenish gray (5Y 4/1) NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and MICRITE, normally finely laminated, interbedded with dark gray (5Y 4/1), partially lithified BIOCLASTIC PACKSTONE, up to several centimeters thick. The section is partially slumped. Minor Lithology: Greenish gray (10Y 5/1), bioturbated beds of NANNOFOSSIL COZE with CLAY are found in Section 4 (from 60 to 85 cm) and Section 5 (0 to 15 and 20 to 63 cm).
ı.						ARITY			2					
LOWER PLIGGENE	N18 - N19	CN11a				TAIN POL	1.86	● 59.4%	3	00 S 00 S 0	\ \	1	og	
							1.91	67.6%	4	00 00 00 00 00 00 00 00 00 00 00 00 00 0	₩ H	1.		
	A/M	A/G					. 1	.6% •	5 CC	00 00 00 00 00	+ +	- = =		

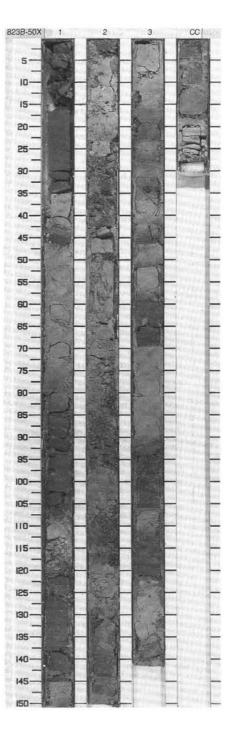


UNIT				ZONE/ RACTE	R	2 0			1		JAB.	ES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	e contamount in a	PALEOMAGNE IICS		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						57.4%	1,83	10.70	0.5	00 = 00 = 00 00 = 00 = 00	// H H H H //	1		NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS Major Lithology. Greenish gray (5GY 6/1), slightly bioturbated NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS. Minor Lithology. Dark greenish gray (5GY 4/1), homogeneous, partially lithlified FORAMINIFER BIOCLAST PACKSTONE or GRAINSTONE with QUARTZ, which common have sharp bases. Distinct tops are less common, in Section 5 normal, fining-upward grading of grain size occurs (0-8 cm, 79-64 cm).
								2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7	1		
PLIOCENE	N19	B			× 100	FULARI 1 1 52.5%	1.87	3		0.50.00.00	_ _ _ _	1 22 1		
LOWER PL	N18 -	CN113			ALATORONI			4		00 S 00 S 00	+ + +			
						52.5%	1.90	%0:40 50:40		05 00 05 00 00 05 00 05 00 00 05 00 05 00	≯	1 11 11		
	A/G	A/G				50.2%	1.94	C		00-900-90		**		

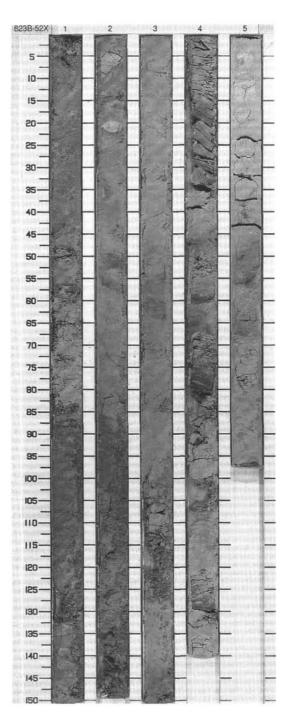


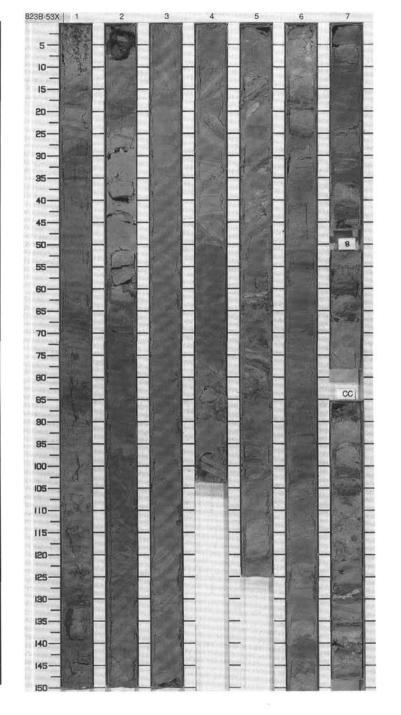
NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEONAGNETICS	• 53.6% PHYS. PROPERTIES	• 64.3% CHEMISTRY	SECTION	VETERS	GRAPHIC	- WW DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	L1THOLOGI NANNOFOSSIL OOZE to MIXED SEDIME Major Lithology: Light greenish gray (10Y	
						I I	0.5		- w				
CN118			RTAI			2	1.0		т т	1	***	CHALK to MIXED SEDIMENT with BIOCL Minor Lithology: Dark greenish gray (10Y GRAINSTONE; PACKSTONE, showing no range from medium sand- at the base to s dominate; BIOCLASTIS increase upwards greenish gray (10Y 6/1), BIOCLASTIC PA SMEAR SLIDE SUMMARY (%): 1, 119 1, M M COMPOSITION: Bioclast 12 44 Calcite 3 Clay 11 Dolomite 11	ISTS. 4/1), partially lithilied, FORAMINIFER BIOCLAST mal graded bedding and sharp bases. Grains it sized on top, At the base FORAMINIFERS In Section 1 (63-58 cm) one bed of light CKSTONE occurs.
			n		. 58.6%	3	44.44.44.44		<u>т</u>	1		Glauconite	35 2
	_	CNI	CNJ	CN1	CN1 UNCERTAIN	CN1	CN11 UNCERTAIN 49.1% 1.89 • 58.6%	ON11 • 48.1% • 18.9% • 58.6% Con 11.1.1	ONCERTAIN UNCERTAIN See 58.6%	0 UNCERTAIN 0 ONCE	CO CO CO CO CO CO CO CO CO CO CO CO CO C	0 UNCERTAIN 0 UNCERTAIN 0 ONCE	COMPOSITION: Bioclast 12 44 Calcite 1 Clay 11 1 Dolomite 1 Signatural control con

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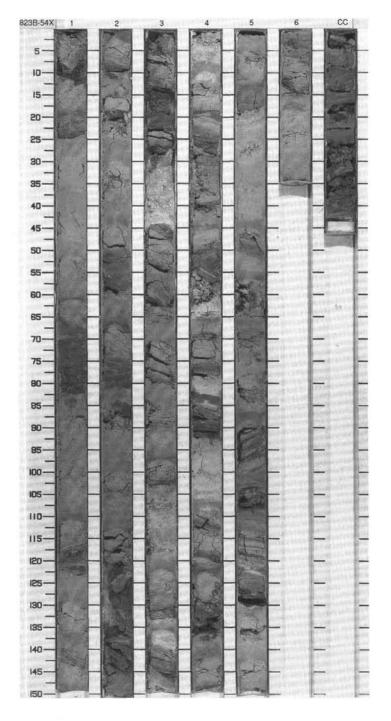


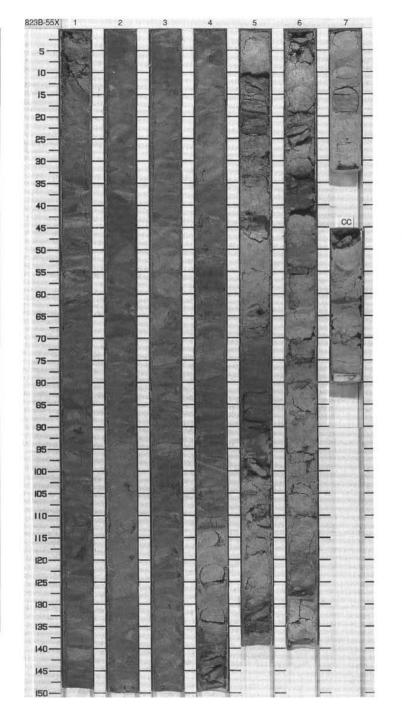
E S		SIL		ZONE/	R	1160					URB.	SES		
TIME-ROCK L	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEGMAGNETICS	BHYS BROBERTIES		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						49.4%	1.96	1	0.5			**		NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and CALCITE Major Lithology: Slightly bioturbated NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and CALCITE ranging in color from light greenish gray (5GY 7/1) bands to dark greenish gray (5GY 4/1) layers. Minor Lithology: Dark greenish gray (5GY 4/1), partially lithified, BIOCLAST PACKSTONI commonly showing sharp bases and gradual tops.
CENE	0				VTIGA IND	- 1		2			-	**		
LOWER PLIOCENE	N18 - N19	CN11a			INCERTAIN DO	- 1	66.1	3			_ _ _ _ _ _ _	**		
							29 10 4	5			_ _ _ _ _	#	ıw	
	A/G	A/G				50.1%		5			_ _ _ _	**		



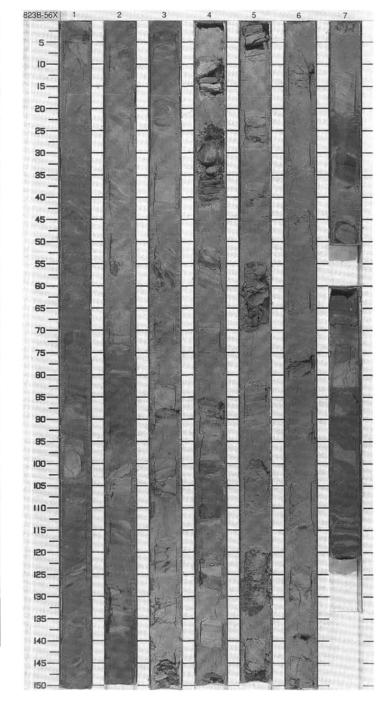


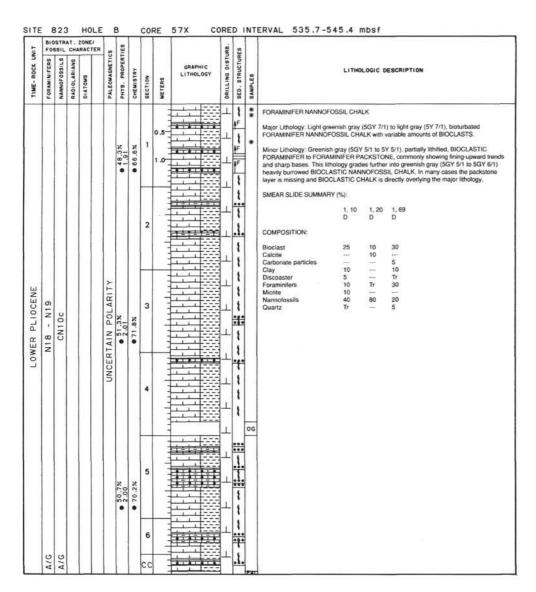
LINO				ZONE	99	11.8					RB.	S		
IIME-ROCK OF	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						47.8%	● 75.6%	1	0.5	111111111111111111111111111111111111111	_ _ _ _	1 21 .1.		NANNOFOSSIL CHALK with MICRITE Major Lithology: Light greenish gray (10Y 6'1), bioturbated or finely laminated NANNOFOSSIL CHALK with MICRITE, QUARTZ, BIOCLASTS, FORAMINIFERS and CLA occur subordinately. Minor Lithology: Dark greenish gray (10Y 4/1), poorly bedded, medium to fine sand-sized BIOCLAST PACKSTONE with FORAMINIFERS, Normal grading and sharp bases occur locally.
								2	and to be a few as		_ _ _	2 2 2		
LOWER PLINCENE	N18 - N19	CN118			UNCERTAIN POLARITY	• 46.2%	● 63.6%	3			<u>т</u> т	***		
LO					ONC			4				***		
						50.6%	● 58.1%	5			_ _ _ _ _	***		
	A/G	A/G						6 CC			т Т	2 22		

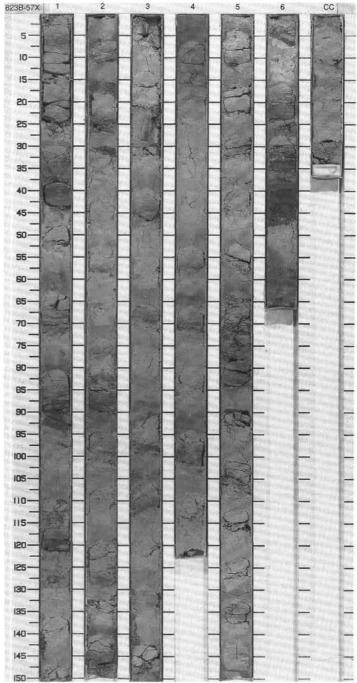




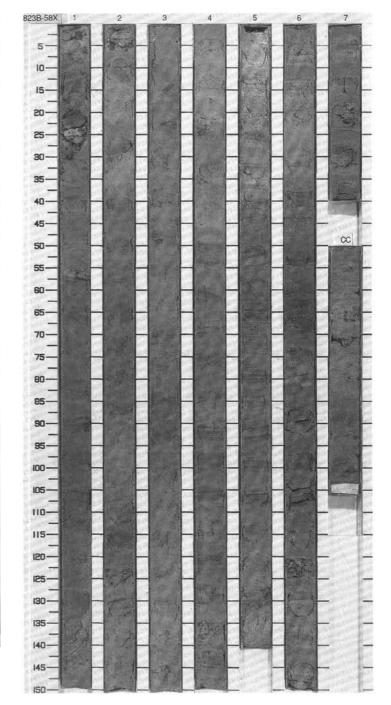
LINO	810 FQS	STR	AT.	ZONE	TER		ES					99	00		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Company of the compan	47.7%	● 59.5%	1	0.5		-	*	*	NANNOFOSSIL CHALK with FORAMINIFERS and BIOCLASTS Major Lithology: Finely laminated NANNOFOSSIL CHALK with FORAMINIFERS and BIOCLASTS. The lamination is due to the alternation of very thin dark greenish gray (10Y 5/1) laminae with thicker layers of light greenish gray (10Y 6/1) chalk. Horizons with isolated, well-rounded, flat chalk pebbies occur as well as isolated cm-sized slump tolds Major slumps comprise Sections 1-2, Section 3, the lower part of Section 5 to CC. SMEAR SLIDE SUMMARY (%): 1. 100 3. 23
									2			_	\$888		D D COMPOSITION: Aragonite Tr Tr Bioclast 15 10 Carbonate particles 5 5 Clay 10 Foraminiters 15 20 Micrite 10
LIOCENE	- N19	00				POLARITY	1,98	● 63.4%	3			_ _ _ _	\$650 \$650 \$650 \$650 \$650 \$650 \$650 \$650	*	Nannofossiis 60 30 Quartz 5 15
LOWER PLIOCENE	N18 -	CN10c				UNCERTAIN			4						
						3000	50.2%	● 66.4%	5		VOID		2000		
									6			+ + +	288 288 288 288 288 288		
	A/G	A/G							7			1 1 ·	2888		



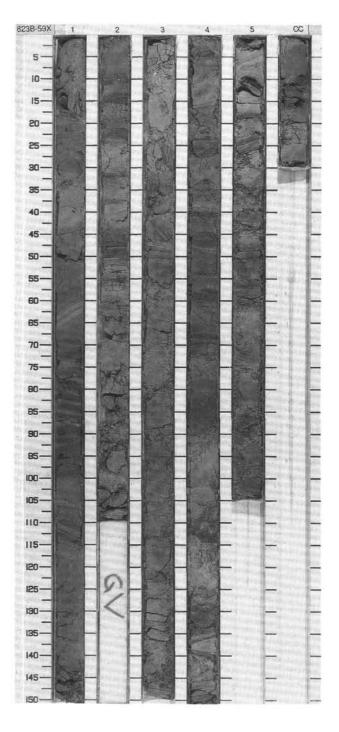




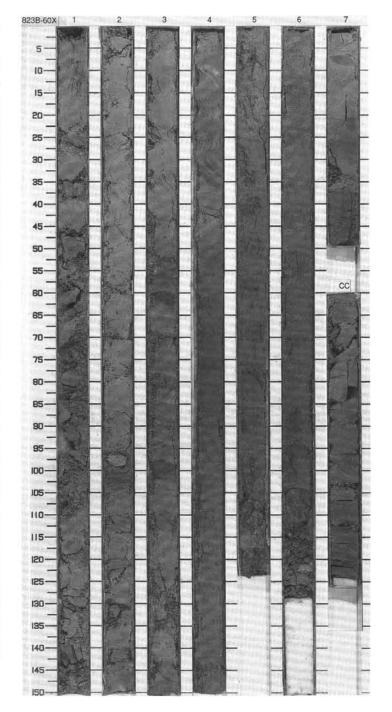
-				ZONE/	ro l		28						40		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						46.7%	2.04	• 56.1%	1	0.5		<u> </u>			NANNOFOSSIL MIXED SEDIMENT to CHALK with FORAMINIFERS and BIOCLASTS Major Lithology: Light greenish gray (5GY 7/1) NANNOFOSSIL MIXED SEDIMENT to CHALK with BIOCLASTS and FORAMINIFERS showing line, planar, sometimes low angle wedge learnisation. Small scale slump folds occur. In Sections 2 to the middle of Section 4 the content OF FORAMINIFERS, BIOCLASTS and CLAY is changing regularly on a 10cm scale, which gives rise to rhythmical color banding. Minor Lithology: Layers of olive (5Y 6/2), partially ithilited, BIOCLASTIC FORAMINIFER PACKSTONE occur in Sections 1 [5-23 cm], 3 [64-65 cm] and 4 [34-36 cm].
						46.5%	2.02		2	the state of the s		-	** * * *	*	SMEAR SLIDE SUMMARY (%): 1, 13 1, 100 2, 131 D D D COMPOSITION: Aragonite 5 Bloclast 15 15 10 Clay 15 25 Discoaster 5 10
PLIOCENE	- N19				- 1	POLARI	2.05	● 59.1%	3			+ + + + -	** ** *		Foraminilers 5
LOWER	N18	CN1					2.12		4	The second second		-	1		
						707 07	2.02	● 56.4%	5	limber		 	1	TW	
							2.05		6			<u> </u>	^		
	A/G	A/G							7 CC	-		 	~ W		



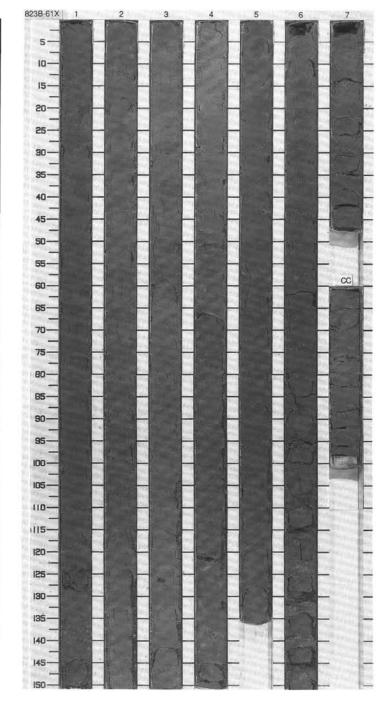
CNIT				ZONE/		80	TIES					URB.	SES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							.95	• 62.1%	1	0.5		1 1 1 1 1	-		NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS Major Lithology: Finely laminated or burrowed NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS. Depending on the amount of silicidastic material, the color of the rock ranges from light greenish gray (5GY 7/1) in relatively pure carbonate chalk to greenish gray (5GY 5/1) ministed sediment. In Sectio 1, bedding is inclined, which may be due to slumping. Minor Lithology: Greenish gray (5GY 5/1) cm-sized bands of lithlifed FORAMINIFER PACKSTONE with QUARTZ. Graded layers continue into NANNOFOSSIL CHALK with FORAMINIFERS, BIOCLASTS and SILLOICLASTIC GRAINS. GLAUCONITE grains good.
							2.04		2	andreadan	VOID	4 -boo	× 11 11 11		SMEAR SLIDE SUMMARY (%): 4, 127 D COMPOSITION: Aragonite 1 Bioclast 10
TLIDOLINE		00			- 1	N POLARITY	2.04	• 64.7%	3	- Internation		_ 			Clay 15 Foraminifers 10 Nannofossils 54 Quartz 10
COMEN	2	CN1			- 1	ERTAI	2.05		4	or of the state of		4 4 4 4 4		*	
	A/G	A/G					2.01%	● 54.5%	5 CC	alternation			1 1		•



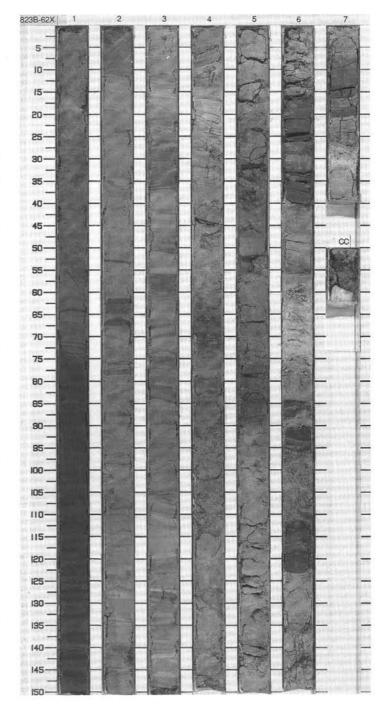
	810	STR	AT.	HOL ZONE/	Т	F.				60X C			Г	ERVAL 564.7-574.3 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	SWOLVIG	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						• 47.3%	• 62.1%	1	0.5		- / / ww +	1		NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and FORAMINIFERS Major Lithology: Gray (5Y 5/1), bioturbated or laminated NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS and FORAMINIFERS. Laminated parts of the core (below 10/ core in Section 2 to 60 cm in Section 4) are slumped. Another probable slump mass encompasses Sections 6 and 7. SMEAR SLIDE SUMMARY (%): 5, 59 D
						• 46.1% 2.00		2						COMPOSITION: Aragonite 1 Bioclast 5 Calcite 2 Clay 15 Foraminifers 1 Nannofossils 69 Quartz 5 Rock fragment 2
PLIOCENE		00			V POLARITY		• 64.7%	3			_ _ _ _ _ _			Rock fragment 2.
LOWER	2	CN10c			UNCERTAIN	45.8%		4	1		 	~ = = = = =		
						• 42.7% 2.05	. 54.4%	5			1 1 X		*	
								6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1		
	A/G	A/G						7		VOID		~ ***		



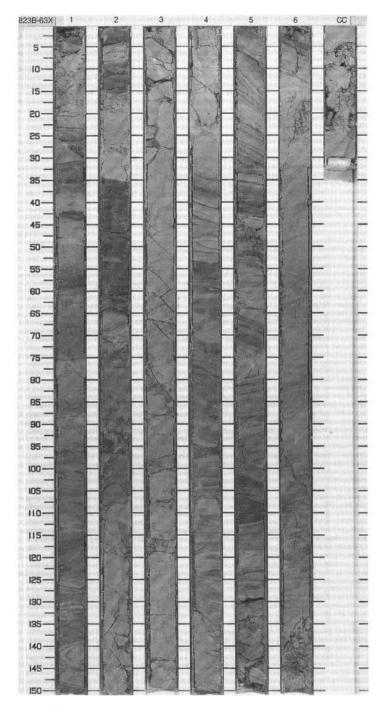
241	81	OSTA	AT.	ZONE/		1	T	П			DRE	Г	Т	
TIME-ROCK UNIT	FORAMINIFERS	DSSIL	CH	SWOLVIO	DAI FOMACNETICO	OHA DEVENTED	TOTAL TAUFERING	CHEMISTRY	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLIOCENE TIME	N18 - N19	110c	RADIC	DATE	UNCERTAIN POLABITY	• 42.7% • 46.2% • 46.2% • 50.6%	2.05 2.15 2.09 2.07	\$2000 2	1.0		7180	198	dws.	CLAYEY NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS Major Lithology: Dark grayish green (5Y 4/1) slightly bioturbated CLAYEY NANNOFOSSII CHALK to MIXED SEDIMENT with FORAMINIFERS and BIOCLASTS. Stumping occurs in two layers in Section 4 (40-56 cm, 120-150 cm) and in the CC. SMEAR SLIDE SUMMARY (%): 2, 108 COMPOSITION: Bioclast 15 Calcite 5 Clay 25 Foraminiters 10 Mica 2 Nannofossils 30 Ouartz 10 Rock fragment 3
	A/M	A/G				43.7%	7.00	7						



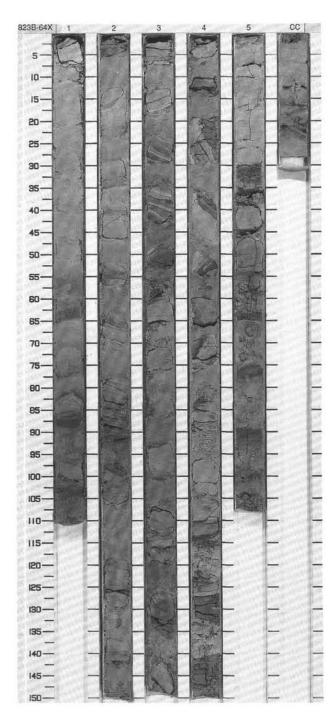
	MANNOFOSSILS	-	RADIOLARIANS	RACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	N		R02023000	DISTURB	J. C.		
					_	1 -	CHE	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DI	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLIOUENE N18 - N19	CNIC	CNIOC			RITY	1.99 4.50 2.09 4.2.64 6.2.97 6.2.09 2.10	• 71.4% • 50.4% • 632.2%	1	0.5	00 00 00 00 00 00 00 00 00 00 00 00 00	<u> </u>	17038 44 44 44	*	CLAYEV NANNOFOSSIL CHALK to MUDSTONE with OUARTZ and BIOCLASTS to NANNOFOSSIL CHALK with CLAY, QUARTZ and BIOCLASTS. Major Lithology: Dark gray (5Y 4/1), finely laminated CLAYEV NANNOFOSSIL CHALK to MUDSTONE with BIOCLASTS and QUARTZ to gray (5Y 6/1) NANNOFOSSIL CHALK with CLAY, QUARTZ and BIOCLASTS. In places the sediment is heavily burrowed. Soft sediment deformation occurs in various intervals (Section 1: 30-70 cm, Section 2: 0-45cm, 105-130 cm, Section 3: 20-40 cm). Minor Lithology: Gray (5GY 5/1) FORAMINIFER BIOCLAST PACKSTONE ranging in grain size from upper medium sand to upper fine sand (Section 4: 70-74 cm, Section 5: 30-47 cm, 78-89 cm, Section 6: 10-25 cm, 27-39 cm, 39-84 cm, Section 7: 13-15 cm, CC: 0-10 cm). SMEAR SLIDE SUMMARY (%): 1, 123 2, 128 D COMPOSITION: Bioclast 20 1 Calcite 15
A/G	0	A/G				45.1%		7	lener out	OD 600 000 000 000	1	,		



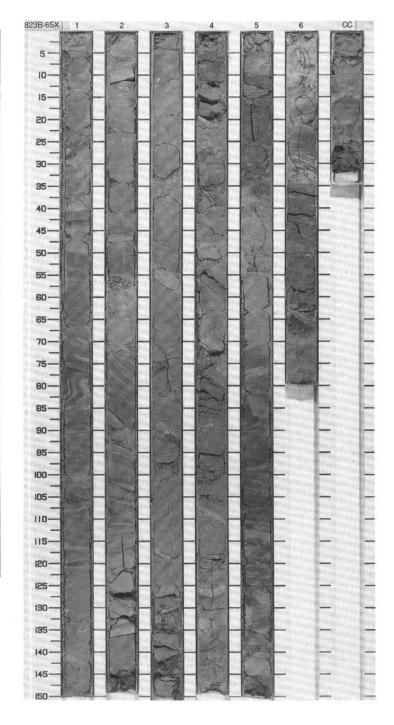
LINO	FOS	SSIL	CHI	ZONE/	R	TIES					URB.	SES		
IIME-ROCK D	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
				П			П			00 55 00 55 00	T	1		NANNOFOSSIL CHALK to CLAYEY NANNOFOSSIL CHALK
						47.6%	● 66.8%	1	1.0		+ + + -	< <		Major Lithology: Gray (SY 5/1) CLAYEY NANNOFOSSIL CHALK to light gray (SY 6/1) NANNOFOSSIL CHALK, finely laminated. The core is slumped from 100 cm to 150 cm in Section 1, from Section 2: 60 cm downcore to the core cat
											1			3, 133 D
						• 47.65	1000000	2	1		1 1 1 1	人 ~ ~		COMPOSITION: Bioclast 15 Calcite 5 Clay 10 Foraminiters 10 Namolosais 55 Quartz 5
	6				POLARITY	40.3%	5%	3	Trees.		<u> </u>	^ ^		
200	E	90			POL	2.0	*3.77.		3	무극물	_	^	*	
LOWER PLINCENE	N18 -	CN10b			UNCERTAIN			4			+			
					٦	7.5%			-		1	^		
						• 47	0 10		-		+	^		
								5	1	00 63 00 63 00	т Т	^		
						2.04	64.0%		1		<u>т</u>	^		
						•	•	H	-		+	^		
								6	The second		+ +	< <		
						2.06			-		<u>Т</u>	^		
	A/G	A/G						cc			1	^		



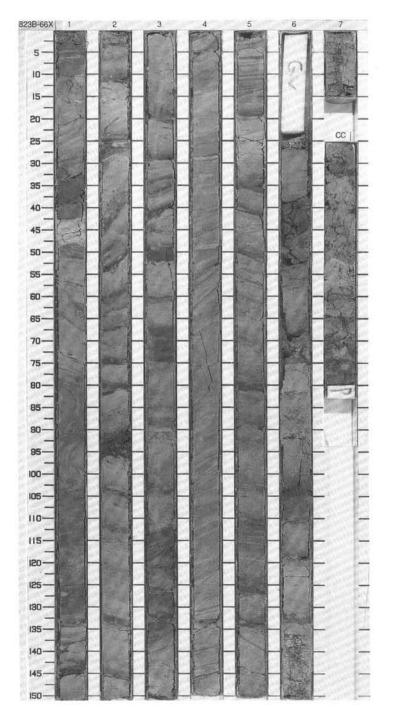
CNIT				ZONE/ RACTER	80	TIES				URB.	838		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							. 66.0%	1	5		2 2 2 2	og Tw	NANNOFOSSIL CHALK with FORAMINIFERS Major Lithology: Gray (5Y 5/1) bioturbated or faminated NANNOFOSSIL CHALK with FORAMINIFERS; slumped. Minor Lithology: BIOCLAST FORAMINIFER PACKSTONE with a sharp base and coarse top occurs in Section 5 (30 cm). The intensity of bioturbation increases downward, which may indicate an overturned turbidite (slumping).
_						• 44.2% 2.08		2			^		
COMEN LINCEINE	N18 - N19	CN10b			UNCERTAIN POLARTI	• 48.3% 2.01	• 72.6%	3			^		
The second secon						• 49.1% 1.97	. 70.9%	4	- 100 cm of 0 mm		^		
	A/G	A/G						5 CC			F		

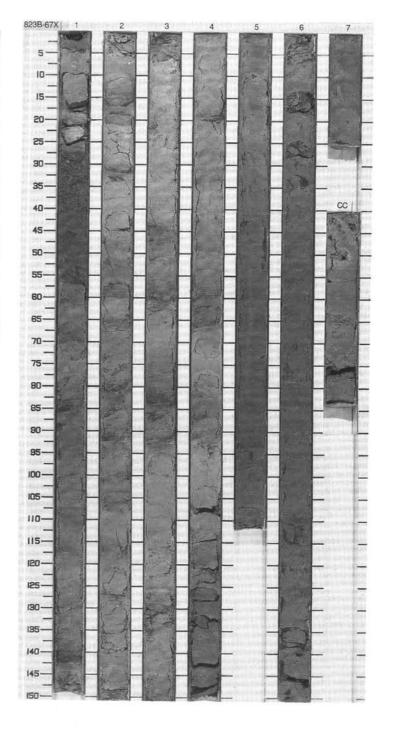


- No		STR			on	SES				JRB.	S3				
TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPH LITHOL	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLO	GIC DESCRIPTI	ON
						43.6%	*1.17	1	0.5	+ + + +	\$888		NANNOFOSSIL CHALK with FORAMINI Major Lithology: Greenish gray (5GY 5/1 FORAMINIFERS. The degree of lamina Section 1 (75-95 cm), Section 2 (65-102 140-150 cm) and Sections 5-CC, which Minor Lithology: Greenish gray (5GY 5/1 matrix than the clasts. Clasts are cut by soft pebbles during reworking.), finely laminate lon decreases do cm), Section 3 (may be overturne LITHOCLAST F	owncore. Slump features occur in 70-75 cm), Section 4 (10-30 cm, ad. RUDSTONE with a slightly muddi
ENE					POLARITY	• 45.2% 2.03		2			5855 5855 5855		5,7 5,7 5,7 5,7 6,1	- 10 - 20	
LOWER PLIOCENE	N18 - N19	CN10b			AIN	2.03	% £ 69.7%	3		1	5835		Feldspar 3 - Foraminifers 6 5 Glauconite Tr Micrite 2	5 25 	
						2.03		4		4 4 4 4	8857				
						2.09	● 74.2%	5			~	*			
	A/G	A/G						6 CC			9889				

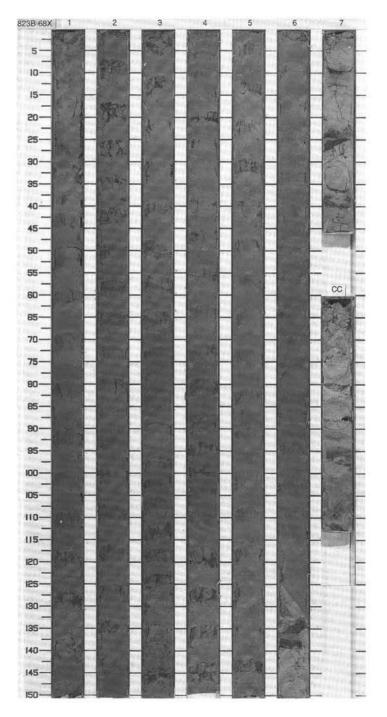


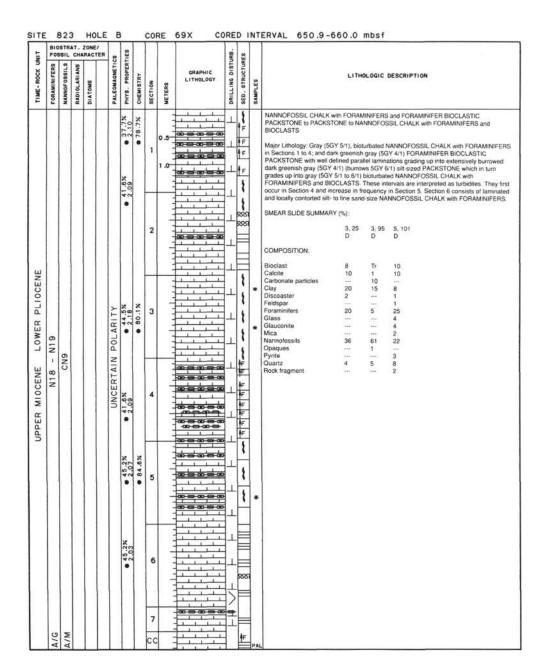
=				ZONE/ RACTER	8	83					RB.	83		
TIME-ROCK UNI	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						46.5%	● 76.1%	1	0.5		_ _ _ _ _	₽F AF		NANNOFOSSIL CHALK with FORAMINIFERS and CLAY Major Lithology: Intensely bioturbated, greenish gray (5GY 5/1 to 6/1) NANNOFOSSIL CHALK with FORAMINIFERS and CLAY. When preserved, lamination is planar to wavy. Slumping occurs in various intervals throughout core. Minor Lithology: Dark greenish gray (5GY 4/1) layers of BIOCLAST PACKSTONE occurring in Sections 3, 5 and 6. In Section 6 the PACKSTONE beds have sharp bases and show fining upward trends.
						• 41.0% 2.20		2			_ _ _ _ _ _ _ _	***		SMEAR SLIDE SUMMARY (%):
LIGGENE	- N19	CN10a			POL/	2.01	*0.79 •	3		DD 800 DD 800 DD 000 DD		1 1 1		Mica 1 Nannolossils 25 Quartz 10
LONEA	N18	CN			UNCERTAIN	43.7%		4			- - - - - - - - - -	< < <		
						• 44.0% 2.10	• 65.1%	5			- + +	1		
						43.9%		6	-			4F	*	
	A/G	A/G						cc		00 = 00 = 00	2			

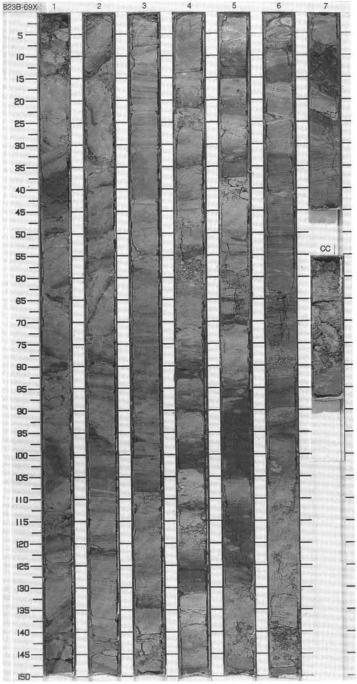


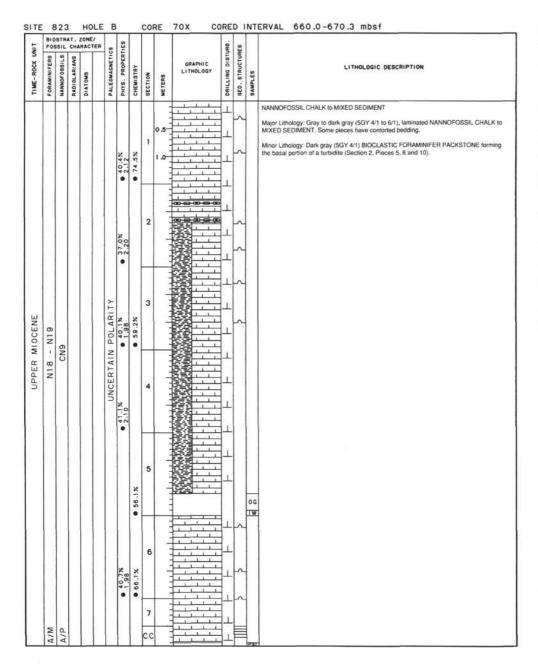


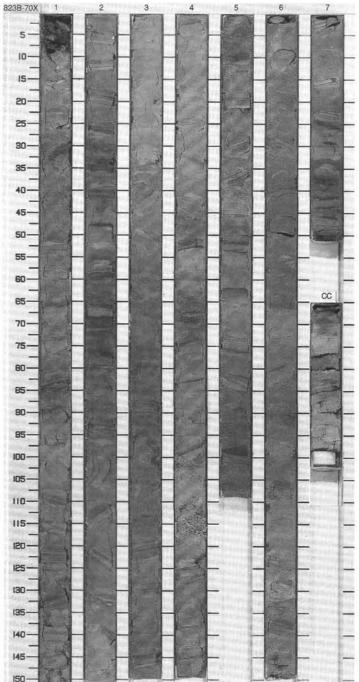
CNI	FOS	STRA	CHA	ZONE/ RACTER	00	ES					RB.	50		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					T				- 3		1	1		FORAMINIFER NANNOFOSSIL CLAYEY MIXED SEDIMENT
						2.05	50.7%	1	0.5		⊥ ⊥	1		Major Lithology: Light greenish gray to dark greenish gray (5GY 4/1 to 5GY 6/1), bioturbated FORAMINIFER NANNOFOSSIL CLAYEY MIXED SEDIMENT. Some burrows are filled with monosulphides. Minor Lithology: Light greenish gray to dark greenish gray (5GY 4/1 to 5GY 6/1), laminate FORAMINIFER NANNOFOSSIL CLAYEY MIXED SEDIMENT occurs in some pieces in
											1	1		Sections 3,4 and 6.
											1	١		SMEAR SLIDE SUMMARY (%):
						×			-		1	١		4, 65 D
						39.4%		2			1	٤		COMPOSITION:
						•					1	١		Bioclast 2 Calcite 8
											1	ì		Clay 21 Foraminilers 25 Nannofossils 35
						2,0	6%				1	`		Pyrite 1 Quartz 5
						2.10	6 51.6%	3	1		1	1		20
ш					¥	Ň		٦			1	1		
CE	0 I N				POLAR						1	<u>~</u>		
LOWER PLIGGENE	Z	6NO							-		1	•		
צ	N18	0			UNCERTAIN						1	,		
×	_				ERT	×		4	-		1	:	*	
					UNC	2.13%			-		1			
						•					1	•		
								П			1	1		
						2.08	51.4%		1		1	1		
						4.5	. 51	5			1	ì		
									1		1	ì		
											1	,		
					1	K 4					1	,		
				П		40.7%		6	-		1	1		
						.5)		. 35	1					
										00-63-00-63-00	1	6		
								-	19		1	-		
								7		00 = 00 = 00		-		
	A/G	A/M						cc		00 CD 00 CD 00	1	1		

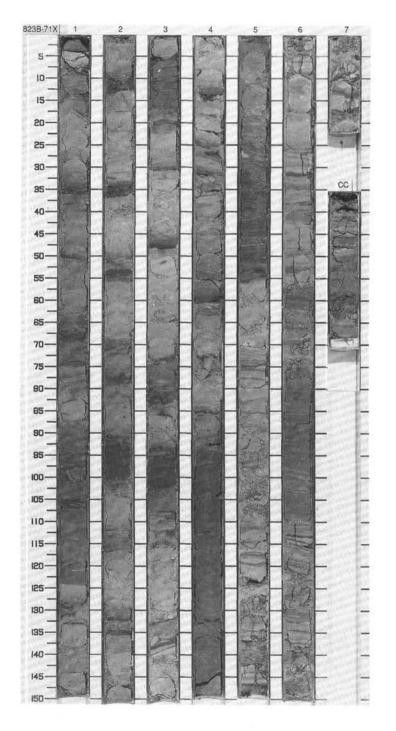




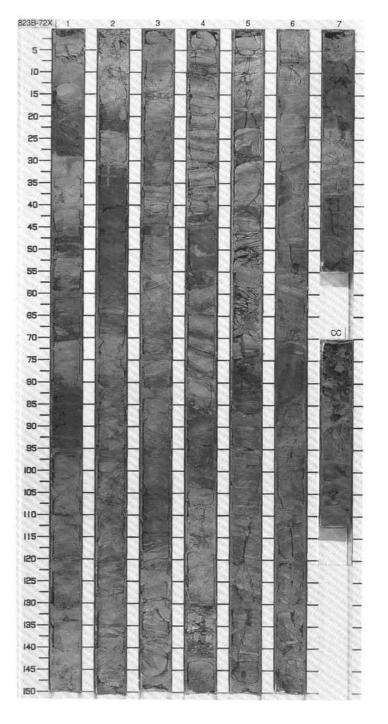




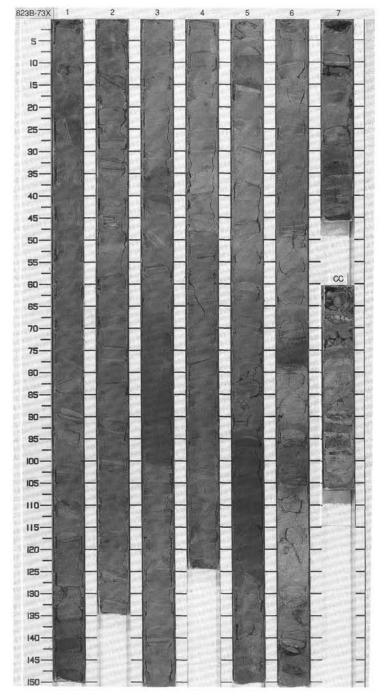




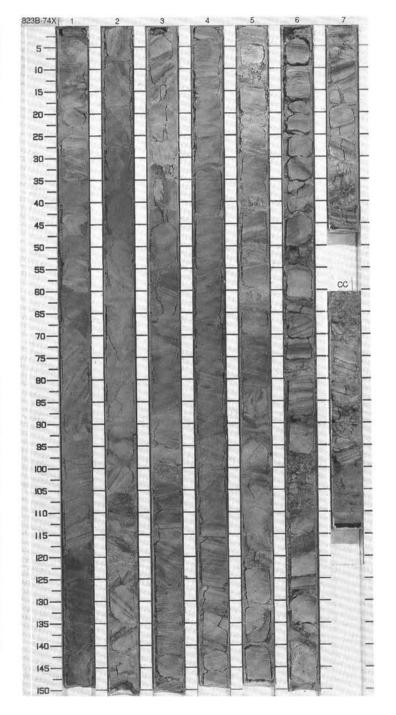
UNIT				ZONE/	R	E S					88.	65		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						• 43.3%	• 57.6%	1	0.5	0 = 0 = 0 0 = 0 = 0	11111			FORAMINIFER BIOCLASTIC NANNOFOSSIL PACKSTONE to NANNOFOSSIL MIXED SEDIMENT Major Lithology: Greenish gray to gray, stacked turbidites consisting of basal FORAMINIFER BIOCLASTIC NANNOFOSSIL PACKSTONE that grade up into bioturbate NANNOFOSSIL MIXED SEDIMENT, complexy intermixed with greenish gray to dark grad laminated NANNOFOSSIL MIXED SEDIMENT, In Sections 5 and 7 these faminated sediments are contorted. Minor Lithology: Section 2, 48-70 and 80-150 cm; Section 3, 47-80 and 98-105 cm; greenish gray to dark greenish gray, highly disturbed, NANNOFOSSIL CHALK to MIXED
						43.3%		2	and benefit as a	0-5-0-50 0-5-0-5 0-5-0-5 0-5-0-5	_ _	388 088 088	0	SEDIMENT with mud lumps and contorted bedding that are interpreted as debris flows. There are also slumps in Sections 3 (127-150 cm), 4 (0-8 cm) and 5 (22-46 cm). SMEAR SLIDE SUMMARY (%): OF 1, 38 2, 40 D COMPOSITION:
MICCENE	- N17	CN9			POLARITY		• 52.8%	3	and bootland	30 Sa 30 Sa 30		888		Bioclast 2
OLLEN IN	N16 -	CN			UNCERTAIN	43.5%		4	and transfer or			8888 8888 8888		
The second secon						41.1%	• 38.1%	5	- Continuation	00 = 00 = 00 00 = 00 = 00 00 = 00 = 00	1	9888 4F		
			- Company of the Comp			38.5%		6	- Confirmation		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2000 2000 2000 2000 2000 2000 2000 200		
	A/G	A/M						7 CC			エトト			

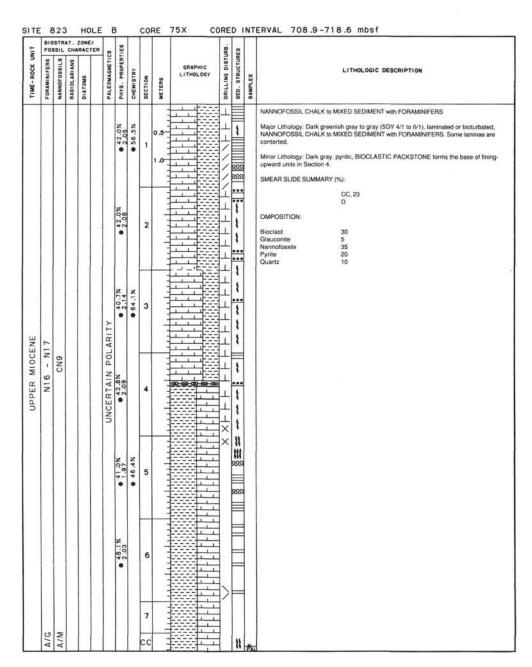


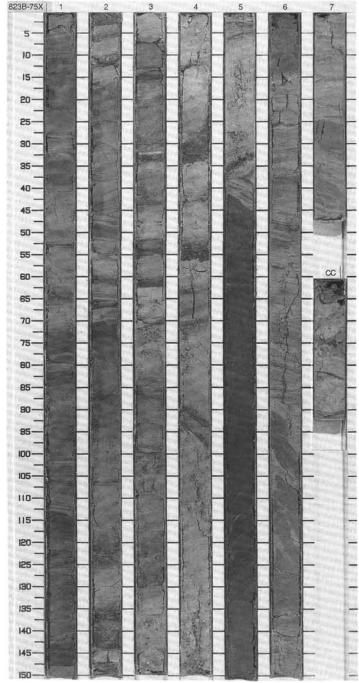
_	ВП	82 0STF	AT.	ZONE	LE	T	9		COF		73X C			T	ERVAL 689.6-699.3 mbsf
TIME-ROCK UNIT	FORAMINIFERS	1	RADIOLARIANS	BHOLVIO	ER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						30 36	2.09	● 58.4%	1	0.5		+ + + +			NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS Major Lithology: Dark greenish gray to gray (5GY 4/1 to 6/1) laminated NANNOFOSSIL CHALK to MIXED SEDIMENT with FORAMINIFERS. Some laminae are contorted. Minor Lithology: Dark greenish gray to gray (5GY 4/1 to 6/1), bioturbated, NANNOFOSSI CHALK to MIXED SEDIMENT with FORAMINIFERS occur in Section 6 from 45 cm through to the bottom of the core.
						41.3%	2.12		2	and and an			8888	IW	
IOCENE	- N17	0			STICK ICC	POLAKI	•	• 45.6%	3	errition lane					
UPPER MIOCENE	N16 -	CN9			NIATOTOMIC.	37.03		● 58.3%	4	- Constitution		-		og	
						35.8%	2.15	• 72.2%	5	and the land		十 十 十	500 500 500 500 500 500 500 500 500 500		
						39.4%	2.14		6	original rica		1 1 1 1 1 1	* * * * * .		
	A/P	A/P							7	11111111			* * * *		

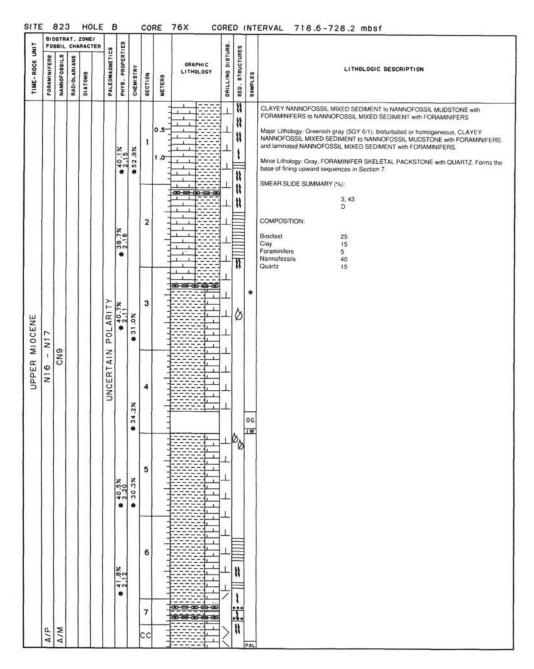


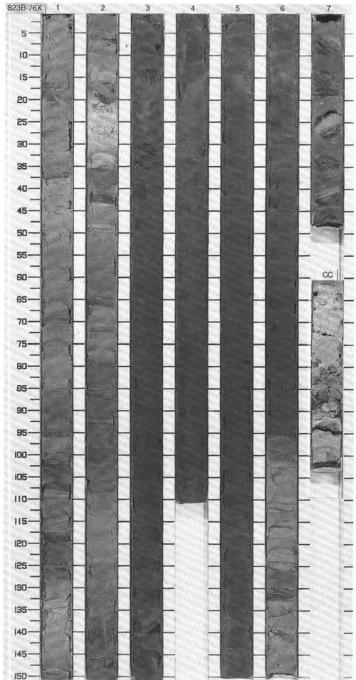
_	810	STR	ıT.	ZONE/		90		COF		74X C0		Г	T	ERVAL 699.3-708.9 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS T	RADIOLARIANS	RACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	3	LITHOLOGIC DESCRIPTION
A STATE OF THE PARTY						98.4%	• 68.6%	1	0.5		<u> </u>	880 880 880 880	S S S S	NANNOFOSSIL CLAYEY CHALK to MIXED SEDIMENT: NANNOFOSSIL CHALK with FORAMINIFERS to FORAMINIFER PACKSTONE Major Lithology: The core in Sections 1 to 4 is a slumped mass consisting of contorted an disturbed, taminated, NANNOFOSSIL CLAYEY CHALK to MIXED SEDIMENT, whereas the core in Sections 5 to CC consists of NANNOFOSSIL CHALK with FORAMINIFERS with several layers of FORAMINIFER PACKSTONE which forms the basal part of a fining-upward sequence that is interpreted as a turbidite layer.
						39.2%		2	The state of the s		<u> </u>	883	S	
OFFER MIDDENE	- N17	CN9			POLAR	97.4%	● 54.4%	3	The state of the s			883 883 883	S	
מורט	N16	C				6 40.1%		4	and and an		<u> </u>	883	8	
						937.0%	* 78.3%	5	and the second		/////////	885 4F	-	
						● 36.2%		6	1	00 Set 00	T T T T	4.44	21.0	
	A/G	A/M						7		00 SS 00 SS 00 00 SS 00 SS 00 00 SS 00 SS 00 00 SS 00 SS 00 00 SS 00 SS 00 00 SS 00 SS 00	>	***	PA	

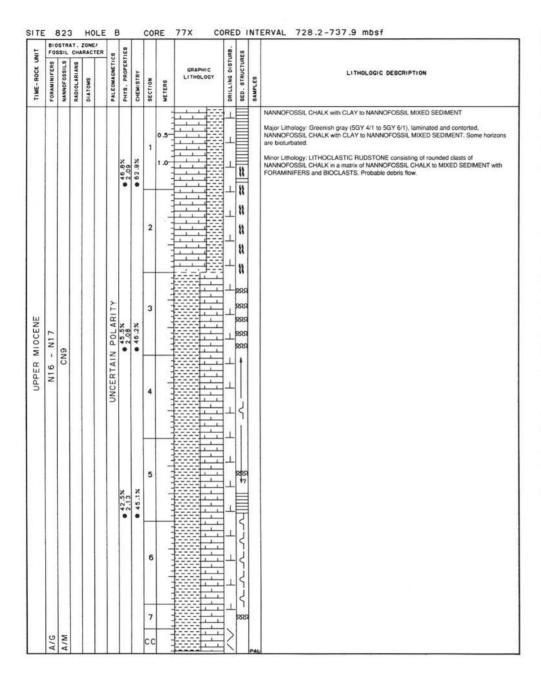


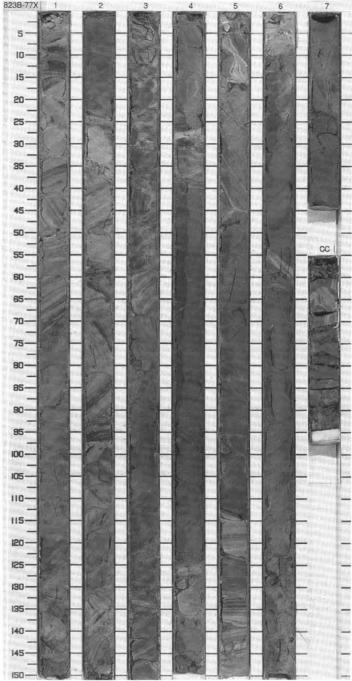




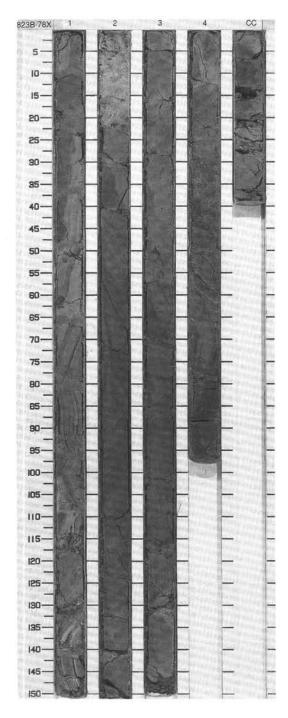




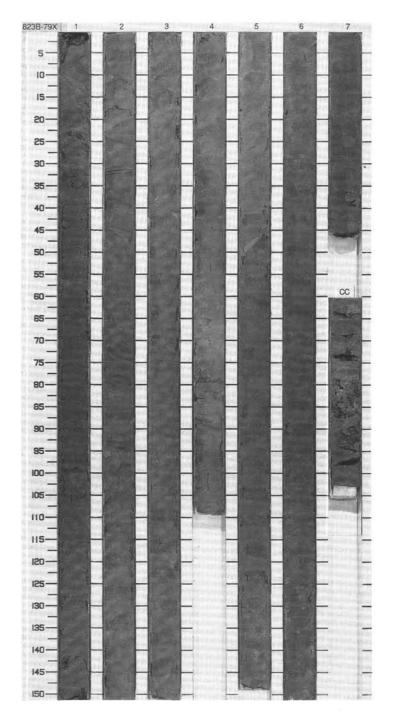




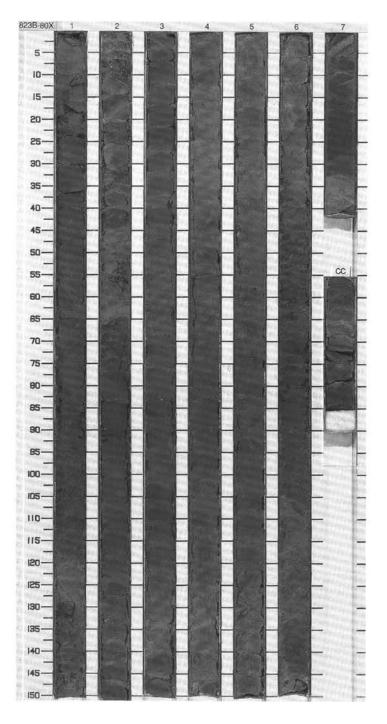
UNIT				ZONE	00	ES					RB.	83	П	
TIME-ROCK UN	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEGMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						• 42.6% 2.10	€ 78.1%	1	0.5		+ + + + +	3333		NANNOFOSSIL MIXED SEDIMENT to CHALK with FORAMINIFERS Major Lilhology: Dark gray to greenish gray (5Y 4/1 to 5GY 6/1), laminated or bioturbates NANNOFOSSIL MIXED SEDIMENT to CHALK with FORAMINIFERS. The bedding of mos of this core is steeply inclined or contorted. It appears to be part of a slump mass. SMEAR SLIDE SUMMARY (%): 2, 125 D
R MIDCENE	6 - N17	CN9				• 42.6%	● 47.2%	2	100		+ + + +	2 2 2 2 2	*	COMPOSITION: Bioclast 15 Carbonate particles 15 Clay 15 Foraminiters 10 Nannofossils 37 Quartz 8
טרופת	IN N1				UNCERTAIN	• 42.3% 2.10	• 49.6%	3			4 4 4 4	**		
	A/G	A/M						4			1 1 1 ·	9888		

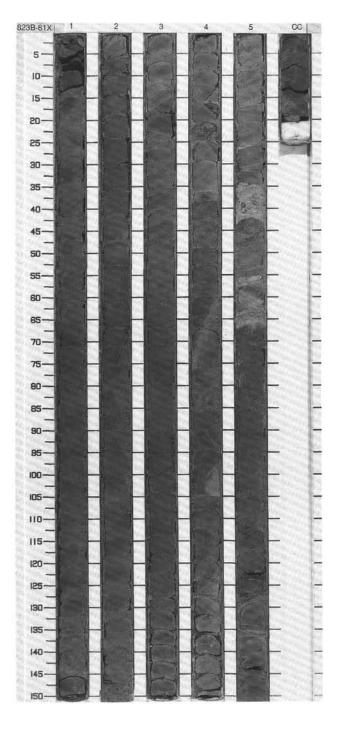


TINO	810 F08	SSIL	CH	ZONE	TER	on I	831					JRB.	ES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MIOCENE	N16 - N17 F0	CN9	RA	70		TIY	- 43.7% - 41.9% - 39.7% PH			0.5			5888	*	NANNOFOSSIL MIXED SEDIMENT to MUDSTONE with BIOCLASTS Major Lithology: Dark greenish gray to greenish gray (SQY 4/1 to 5GY6/1), larminated or bioturbated. NANNOFOSSIL CHALK with FORAMINIFERS or BIOCLASTS. Some beds an controted. Entire core is part of a slump. Minor Lithology: Greenish gray (5GY 5/1), fine grained, FORAMINIFER BIOCLASTIC PACKSTONE. SMEAR SLIDE SUMMARY (%): 2, 93 D COMPOSITION: Bioclast 25 Clay 20 Foraminifers 5 Nannofossils 40 Quartz 10
							2.12	● 36.1%	5	and tendent medicinites	D = 0 = 0		8885		
	A/G	A/G						1	cc			>			

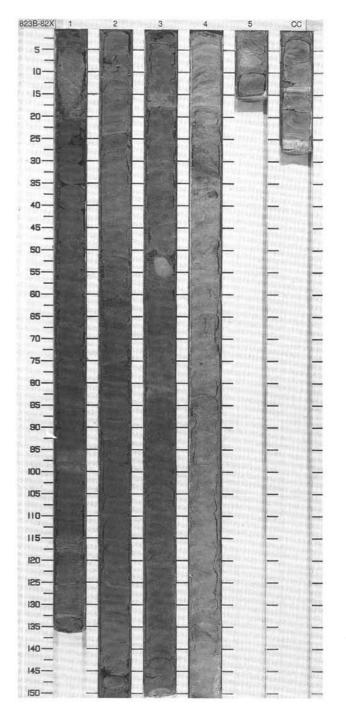


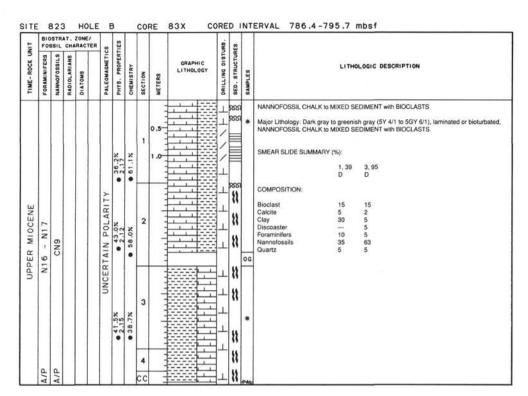
TINO	FO	OSTA	CH	ZONE/	R on	ES	Г				J.,			ERVAL 757.3-767.0 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						939.2%	● 30.7%	1	0.5		+ + + + -	\$888 \$1		NANNOFOSSIL MUDSTONE with FORAMINIFERS and BIOCLASTS Major Lithology: Dark greenish gray (5GY 4/1), laminated or bioturbated, NANNOFOSSIL MUDSTONE with FORAMINIFERS and BIOCLASTS. Some beds are contorted. The entire core is part of a slump.
						97.8%		2			_ _ _ _ _ _ _	5855		
OFFER MIDGENE	- N17	CN9			1 POLARTIY	939.0%	● 32.8%	3			+	0 00 0		
OPPER	N16	CN			UNCERTAIN	939.4%		4			1 1 1 1	0 0		
						• 42.3% • 2.14	● 32.7%	5	in dead and		<u> </u>	0 1888 0 1888 0 1888 0 1888 0 1888		
						2.04		6	rendered are		1	2 2 2		
	A/M	A/G						7 CC			<u>Т</u>			





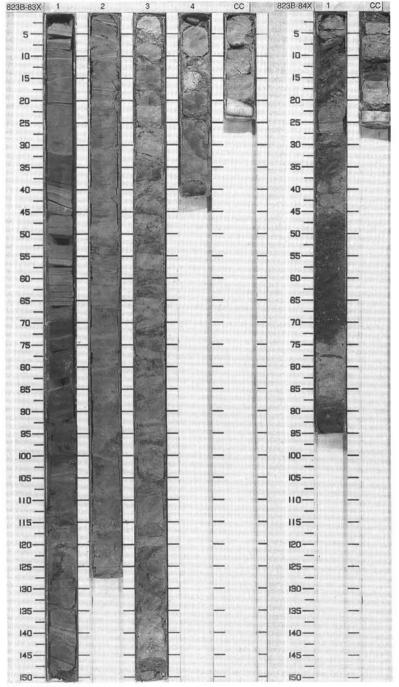
- N				ZONE	on	168					JRB.	ES			
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITH	OLOGIC DESCRIPTION
						932.5%	● 55.6%	1	0.5		1 1 1 1			NANNOFOSSIL CHALK to MIXED S Major Lithology: Dark gray to gray (5 NANNOFOSSIL CHALK to MIXED S SMEAR SLIDE SUMMARY (%): 2, 47 2, 47	5Y 4/1 to 5Y 6/1), laminated or bioturbated,
MIOCENE	- N17	CN9				1000	62.1%	2	in the section of		_ _ _ _ _ _		*	COMPOSITION: Bioclast 10 Clay 35 Foraminiters 2 Nannofossils 50 Quartz 3	10 30 3 55 2
UPPER	N16	0			UNCERTAIN	937.8%	● 51.9%	3			4444	9838			
								4			_	** ** ** **	*		
	A/G	A/M						5 CC		-	1			×	

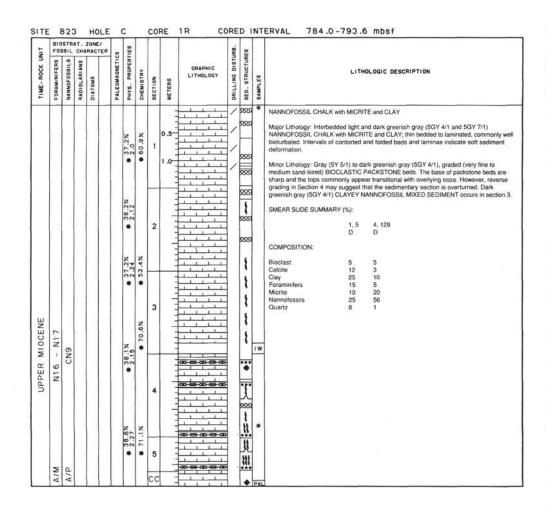


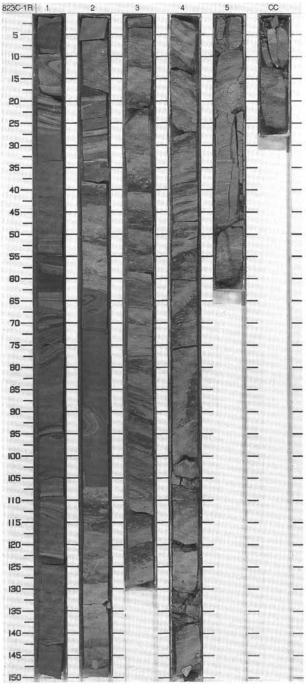


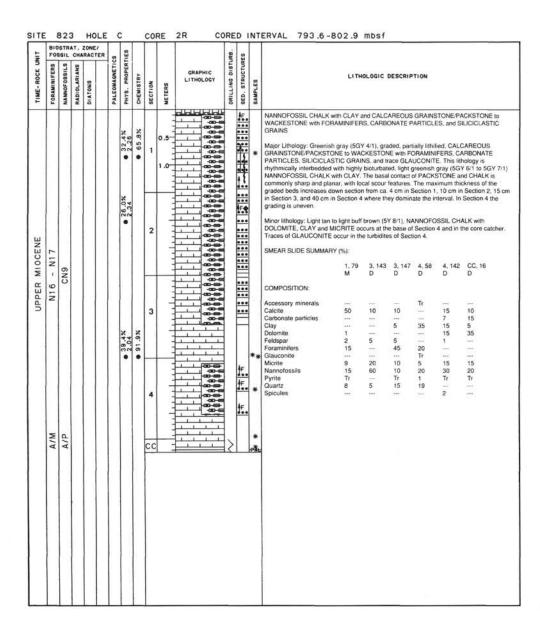
-				RACT	801	ES					RB.	60		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETIC	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MISCENE	A/M N16-N17	A/P CN9						1	0.5			1	PAL	NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS Major Lithology: Dark gray to greenish gray (5Y 4/1 to 5GY 8/1), laminated or bioturbate NANNOFOSSIL CHALK to MIXED SEDIMENT with BIOCLASTS.

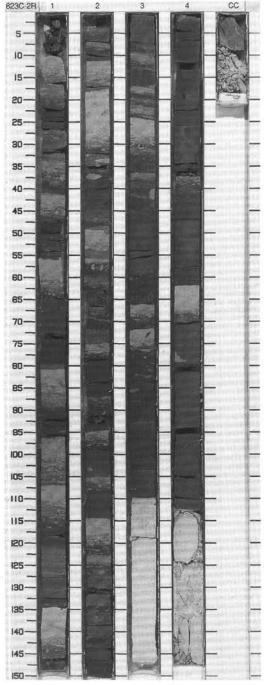
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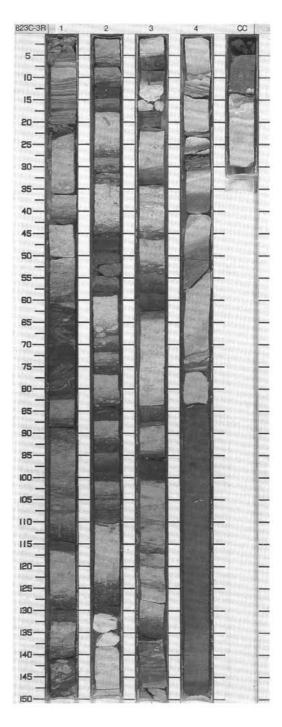




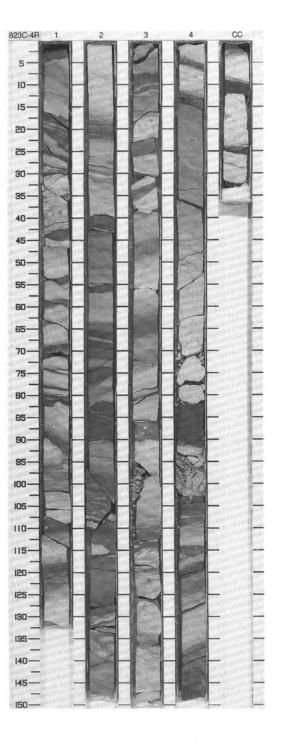




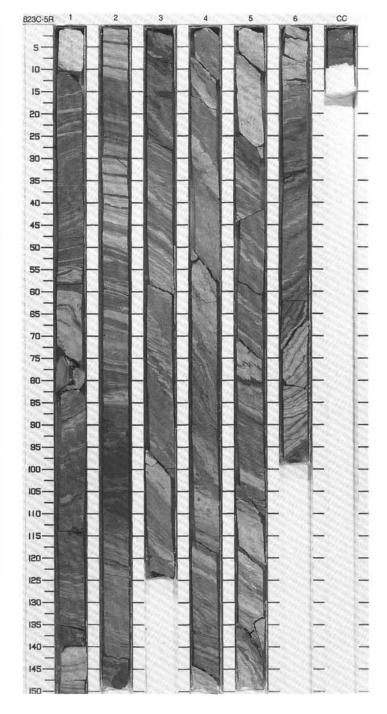
TINO				ZONE/	8 09	TIES				URB.	SES		
TIME-ROCK U	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						93.7%	*0.78 •	1	0.5 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03 1.00-03		- F.		NANNOFOSSIL CHALK; CALCAREOUS GRAINSTONE/PACKSTONE to WACKESTONE with FORAMINIFERS, CARBONATE PARTICLES and SILICICLASTIC GRAINS Major Lithology: In Sections 2 and 3 and parts of 1 and 4, highly bioturbated, light greenis gray (SGY 6/1 to 5GY 7/1) NANNOFOSSIL CHALK with CLAY (locally DOLOMITIC: Section 4, 75-65 cm). This lithology appears hythmically interbedded with greenish gray (SGY 4/1) graded, CALCAREOUS GRAINSTONE/PACKSTONE to WACKESTONE with FORAMINIFERS, CARBONATE PARTICLES and SILICICLASTIC GRAINS. Combined, these lithologies occur throughout parts of Sections 1 and 4, and all of 2, 3 and CC. Minor Lithology: Laminated to thinly interbedded dark (5GY 4/1) and light (5GY 7/1)
MIOCENE	- N17	6N				1.5% 35.4%	2,4	2	00-00 				greenish gray, microfaulted, NANNOFOSSIL LIMESTONE. Darker units are more clay rich and show wisey cross laminane. Contorted, dark greenish gray, LTHOCLASTIC FLOATSTONE occurs, with clasts, 1-6 cm in length, are lenticular and consist of CLAYEY NANNOFOSSIL CHALK and SKELETAL PACKSTONE. SMEAR SLIDE SUMMARY (%): 4, 80 D COMPOSITION:
UPPER	N16	0				2.26	•	3	00-00 00		**		Calcite 10 Dolomite 25 Foraminifers 30 Micrite 15 Nannolossils 10 Quartz 10
	A/M	C/P						4			A.F.		

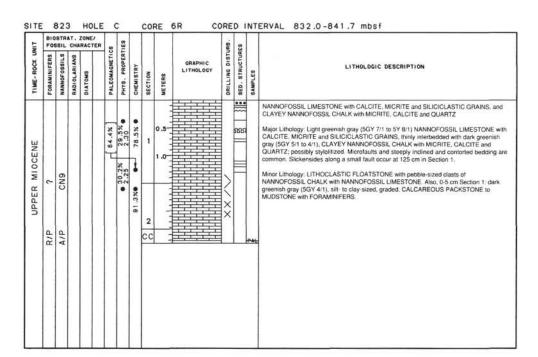


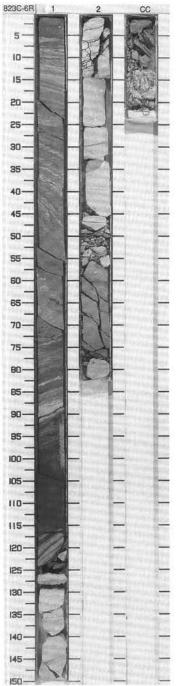
TIMO				ONE/	83	TIES					URB.	SES				
TIME-ROCK L	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC DESCRIPTION
						31.6%	● 64.6% 86.2% ●	1	0.5			1 888	ıw	CLAYEY NANNOFOSSIL C Major Lithology: Thinly inte NANNOFOSSIL LIMESTO dark greenish gray (5GY 5: CALCITE and QUARTZ. M throughout. Minor Lithology: Graded, d	cHALK with rbedded, NE with C 1 to 5GY dicrofaults ark green	ALCITE, MICRITE and SILICICLASTIC GRAINS, an h MICRITE, CALCITE and QUARTZ light greenish gray (5GY 7/1 to 5Y 8/1), ALCITE. MICRITE and SILICICLASTIC GRAINS, an 41), CLAYEY NANNOPCOSSIC CHALK with MICRIT (typically normal, but also reverse) are common ish gray (5GY 4/1), silt to fine sand-sized SKELET/. Individual beds display abrupt basal contacts and
MIOCENE	N17	6				• 30.6% 2.20		2	and the state of			#F0	*	transitional tops. SMEAR SLIDE SUMMARY COMPOSITION: Calcite	(%): 2, 10 D N:	2, 41 D
OPPER N	N16 -	CN9		747		• 36.2% 2.13	● 87.9%	3	and and and	## 1		4F.		Clay Feldspar Foraminifers Micrite Nannofossils Pyrite Quartz	2 2 20 58 8	5 10 35 Tr 10
	A/M					• 30.6% 2.25		4	and the second		3					



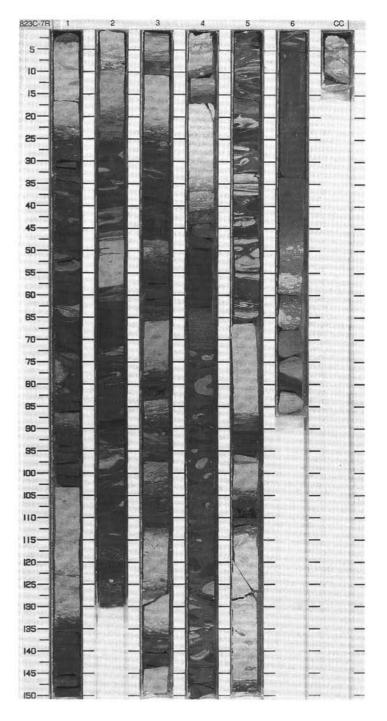
LING				ZONE/ RACTER	on l	531					IRB.	83		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILE	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					П	2.20 2.21	74.1%	Ē	0.5			5855 5855		NANNOFOSSIL LIMESTONE with CALCITE, MICRITE and SILICICLASTIC GRAINS; and CLAYEV NANNOFOSSIL CHALK with MICRITE, CALCITE and QUARTZ Major Lithology: Thinly interbedded, light greenish gray (5GY 7/1 to 5Y 8/1), NANNOFOSSIL LIMESTONE with CALCITE, MICRITE and SILICICLASTIC GRAINS, and dark greenish gray (5GY 5/1 to 5GY 4/1), CLAYEV NANNOFOSSIL CHALK with MICRITE, CALCITE and QUARTZ. Microfaults, along with steeply inclined and controted bedding along with folding, are very common throughout. Biofurbation is relatively milnor. Variously sized, isolated NANNOFOSSIL CHALK clasts occur in Section 1 at 115 cm; Section 2 from 90 to 110 cm and at 145 cm; and Section 3 from 0 to 20 cm.
						•		2	errollman lance			* * * *		Minor Lihology. Graded, dark greenish gray (5GY 41), SKELETAL PACKSTONE with FORAMINIFERS displaying abrupt basal contacts and transitional tops occurs in Section 2 (0.45 cm) and 6 (35.40 cm and 90.100 cm).
UPPER MIDGENE	N16 N17	CN9				• 28.3%	×6.87 ●	3	and malan			_	og	
5						932.5%		4	continuitan			1 1		
					11	2.22 \$2.20	● 56.7%	5	. conficultion			5838		
	A/M	A/P				- 23		6				988		



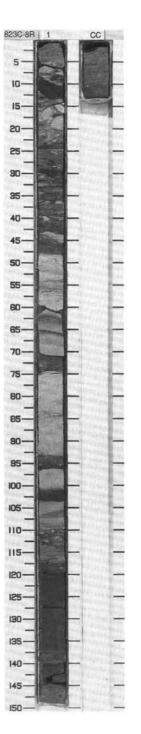




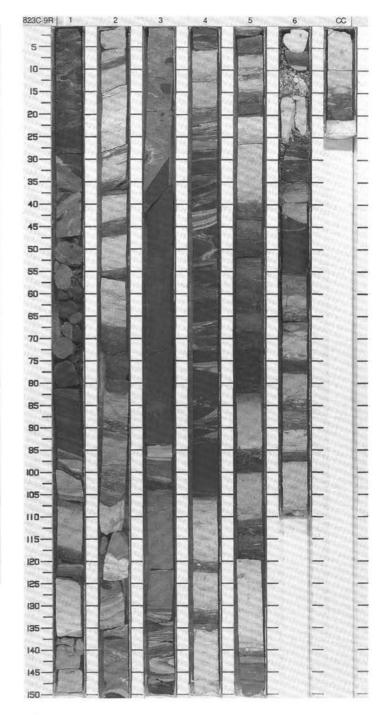
LINO		SSIL		ZONE/ RACTER	SS	11.58				URB.	SES	П			
TIME-ROCK L	FORAMINIFERS	NAMNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	DLOGIC DESCRIPTION
					20.00	2.26	90.8%	1					MUDSTONE Major Lithology: Dark grewith pebble- to boulder-siwhich consist of NANNO! CALCAREOUS MUDSTO deformation.	enish gray (ized, round FOSSIL CH ONE matrix.	NANNOFOSSIL CHALK and CALCAREOUS 5GY 7/1 to 5Y 8/1), LITHOCLASTIC FLOATSTONE ed to subangular, subspherical to elongate clasts ALK within a silt- to very fine sand-sized Bending and folding of clasts suggests soft sedimer (5GY 6/1) bioturbated NANNOFOSSIL CHALK and
						2.38 2.14	45.3%	2			\$88 \$88 \$88			4/1), graded	6, 54
OFFER MISSENE	N16 - N17	CN9				2.32	95.1%	3			F F		Calcite Carbonate Particle Chlonte Clay Dolomite Feldspar Foraminifers Micrite Nannofossils Pyrite Quartz	13 40 2 15 25 5	10
5						. 2		4			F 8888				
The second secon							• 92.0%	5			~ 88 8 F F F F				
	A/M	A/P				2.09		6	00-00-00-00-00-00-00-00-00-00-00-00-00-		888				



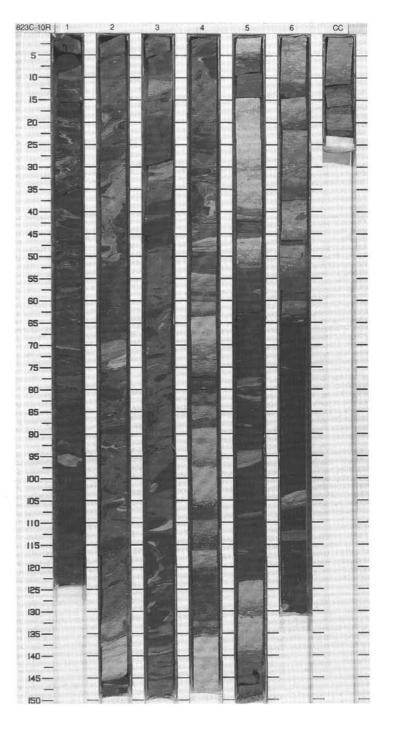
				ZONE!	R o	53					RB.	80		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MIGGENE	N16 - N17	CN9				937.7%	•	1	0.5			3888	PAL	NANNOFOSSIL CHALK: and GRAINSTONE to MUDSTONE Major Lithology: Lower two-thirds of core consists of highly bioturbated, light greenish gray (5GY 6/1), NANNOFOSSIL CHALK with dark greenish gray (5GY 4/1), graded, GRAINSTONE to MUDSTONE interbeds. The resedimented deposits display planar, massive and cross-bedded fabrics. Minor Lithology: Dark greenish gray (5GY 4/1), LITHOCLASTIC FLOATSTONE with subspherical to elongate clasts of NANNOFOSSIL CHALK floating within a greenish gray NANNOFOSSIL CHALK with CLAY. Bending and folding of clasts suggests soft sedimer deformation. This unit occurs in the top 48 cm of the core. Also, interlaminated to very thinly interbedded, dark greenish gray (5GY 4/1) and light greenish gray (5GY 7/1), NANNOFOSSIL CHALK and LIMESTONE.
	A/M	C/M												
													The state of the s	



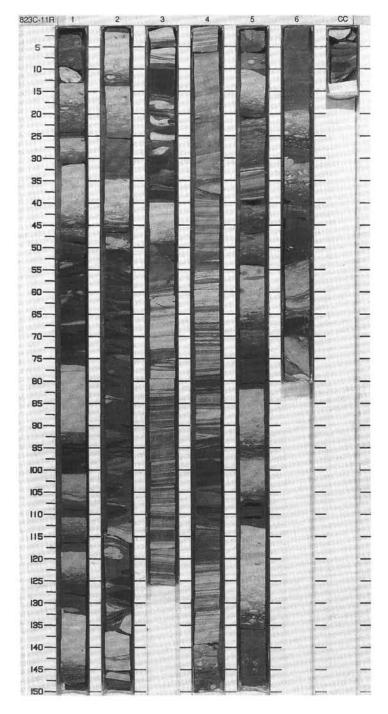
=				ZONE/	60	ES					RB.	60					
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	HOLOGIC	DESCRIPTION
						42.8%	•	1	0.5	00-00-00-00-00-00-00-00-00-00-00-00-00-		588 588 588 4 F	*	LITHOCLASTIC FLOATSTO Major Lithology: Highly bio NANNOFOSSIL CHALK wi greenish gray (5GY 4/1), S CALCAREOUS MUDSTON are 10 to 50 cm thick inten- FLOATSTONE to RUDSTO	turbated th FOR KELETA NE. Pack vals of d NE with	RUDSTOI d, light to AMINIFE AL PACK: kstones a ark to ligh subsphe	IS; SKELETAL PACKSTONES; and NE adark greenish gray (5GY 4/1 to 5GY 7/1), RS, interbedded with numerous intervals of dar STONE commonly grading upward to re fine to medium sand-sized. Also occurring fingreenish gray (5GY 4/1 to 5GY 6/1), rical white to dark green NANNOFOSSIL sh gray, NANNOFOSSIL CAYY CHALK
						937.9%		2		00-00 00-00 00-00 00-00 00-00 00-00 00-00 00-00 00-00 00-00 00-00		11		matrix. Grades down into L Minor Lithology: Homogene QUARTZ and light purplish	ous, dari bioturbi CKSTC 1-98 cm.	ASTIC P k olive gr ated NAN ONE fills t	ACKSTONE in the upper 37-60 cm of the core sen (5Y 3/2), NANNOFOSSIL CHALK with NOFOSSIL LIMESTONE with numerous sourrows and is faintly yellow in color.
UPPER MIDCENE	N16 - N17	CN9				93.7%	. 66.0%	3	The state of the s			1 1		Carbonate Particle Clay Dolomite Tr Foraminifers Nannofossils	15 45 40	10 20 15 5 45	10
20						98.3%		4				\$888					
						• 42.6%	• 27.6×	5									
	A/G	A/G						6	1				1				



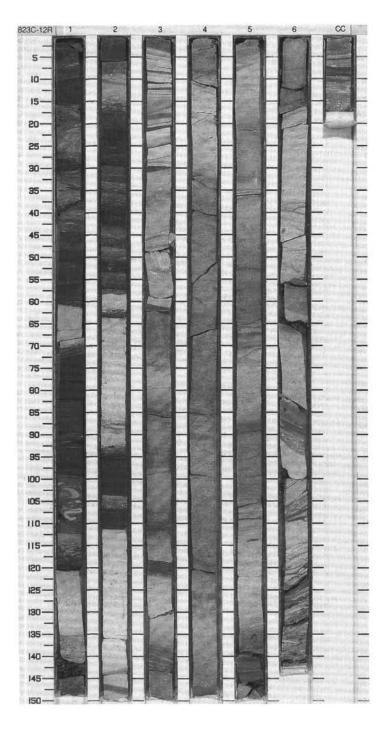
185				ZONE/	R op	168					RB.	S		
TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	RICLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						43.2%	32.3%	1	0.5			\$888	ıw	LITHOCLASTIC FLOATSTONE to RUDSTONE: NANNOFOSSIL FORAMINIFER MIXED SEDIMENT; and NANNOFOSSIL CHALK with FORAMINIFERS and SKELETAL PACKSTONE to MUDSTONE. Major Lithology: LITHOCLASTIC FLOATSTONE to RUDSTONE: clasts and matrix are dart to light greenish gray (5GY 4/1 to 5GY 5/1), NANNOFOSSIL FORAMINIFER MIXED SEDIMENT: Deformation of clasts and associated beeding suggests soft sediment deformation. Also occurring are highly bioturbated to laminated, light to dark greenish gray (5GY 4/1 to 5GY 7/1), NANNOFOSSIL CHALK with FORAMINIFERS and dark greenish gray (5GY 4/1) graded, SketLETAL PACKSTONE to MUDSTONE.
											10 x 20 20 20 20 20 20 20 20 20 20 20 20 20	5835		
						931.0%	€ 70.4%	2				8889 8889		
						2.08	. 19.3%					2000		
MIDCENE	N17	6						3	-		1000	888		n .
DEFER N	N16 -	CN9										888		
X.						46.7%		4	-	00-69 	Thirties of			
											Charles and			
						×	×	5	1			*		
						54.2%	•							
						49.6%		6	-					
	C/M	5/3						cc	-			888	1	

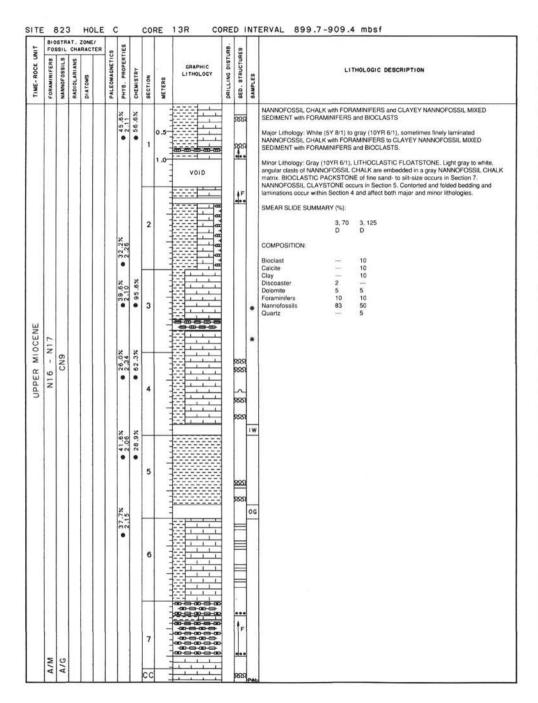


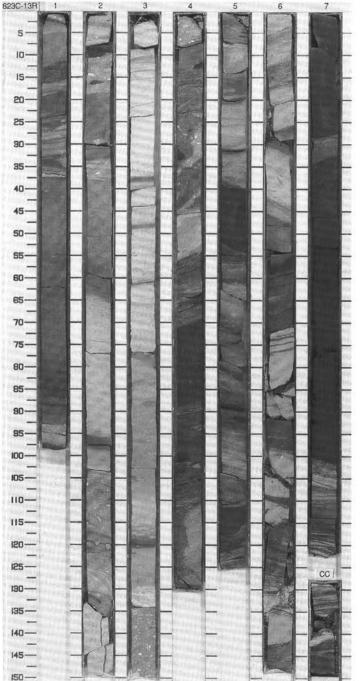
UNIT	BIO FO	SSIL	AT. CHA	ZONE/ ARACTER	97	1E8					JRB.	ES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED, STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						96.9%	● 92.6%	ť	0.5			*		SKELETAL and QUARTZOSE PACKSTONES with FORAMINIFERS; NANNOFOSSIL CHALK with BIOCLASTS and CLAY; CLAYEY NANNOFOSSIL MIXED SEDIMENT with BIOCLASTS; and LTHOCLASTIC FLOATSTONE to RUDSTONE with NANNOFOSSIL FORAMINIFER CHALK and CLAYEY NANNOFOSSIL MIXED SEDIMENT Major Lithology: (1) Dark greenish gray (5GY 4/1) to brown (N4), often planar laminated, SKELETAL and QUARTZOSE PACKSTONES with FORAMINIFERS capped by (2) NANNOFOSSIL CHALK with BIOCLASTS and CLAY which grade upwards into (3) bioturbated CLAYEY NANNOFOSSIL MIXED SEDIMENT with BIOCLASTS. (1) and (2) are interpreted as resedimented deposits whereas (3) is interpreted as the "background" pelagic sediment. Also occurring is LITHOCLASTIC FLOATSTONE to RUDSTONE:
						94.3%		2				\$888 \$888 \$888 \$888		composed of subspherical to folded dark and light greenish gray (5GY 4/1 AND 5GY 5/1) clasts of NANNOFOSSIL FORAMINIFER CHALK within a matrix of greenish gray (5GY 6/1 CLAYEV NANNOFOSSIL MIXED SEDIMENT. Clasts are deformed and matrix appears to "flow" around them. Minor Lithology: In Section 4: finely planar and wavy laminated to thin bedded, light to dar greenish gray (5GY 7/1 to 4/1), FORAMINIFER NANNOFOSSIL CHALK with BIOCLASTS. locally with small folds and microfaults. Also, at 45 cm in Section 1: LITHOCLASTIC PACKSTONE with a matrix similar to (1) described above.
MIDCENE	6 - N17	CN9				936.0%	• 72.6%	3	or denoting				og	
OFFER	N					38.4%		4	and conferen	+++++++++++++++++++++++++++++++++++++++		588 588 588		
						51.9%	*1.34 ·	5						
	A/M	A/P						6		00-00-00-00-00-00-00-00-00-00-00-00-00-		1		



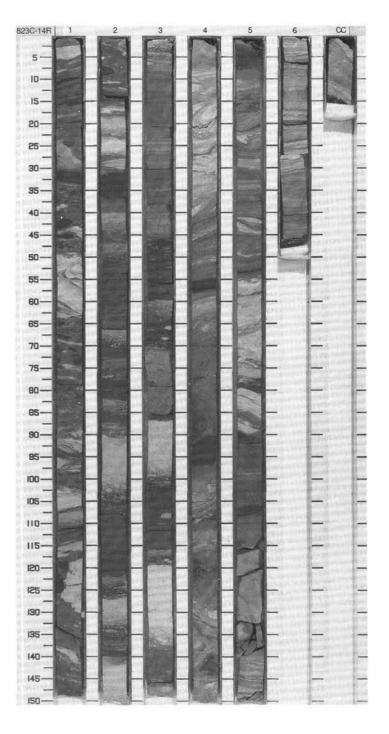
=	810 F05	STRA	CHAP	ONE/		ES					8	50		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						44.8%	● 48.6%	1	0.5			5655 5655 5655 5655		CLAYEY NANNOFOSSIL CHALK with FORAMINIFERS Major Lithology: Dark gray to light gray, CLAYEY NANNOFOSSIL CHALK with FORAMINIFERS. It is highly contorted in Section 1 and at the base of Section 6, blotunbated and ripple laminated in Section 3, slightly bloturbated in Section 4, and BIOCLAST-bearing in Section 5, In Section 5 is forms alternating light blue gray (N7) and bluish gray (5BG 6/1), and contains burrow mottling. Minor Lithology: Section 2 is dominated by couplets of normally graded, dark greenish gray (5GY 4/1 to 5GY 5/1), fine to medium sand-sized, SKELETAL LITHOCLASTIC and QUARTZ-BEARING PACKSTONE, and bloturbated, dark greenish gray (5GY 4/1), CHAU
						43.4%	The second secon	2				1		WITH CLAY CLAYEY NANNOFOSSIL MIXED SEDIMENT occurs in Section 1. LITHOCLASTIC RUDSTONE (NANNOFOSSIL CHALK clasts in a NANNOFOSSIL CHALK matrix) occurs in Section 1, 20-27 cm. A poorly sorted BIOCLASTIC PACKSTONE with platform-derived clasts including CORALLINACEANS, LARGE FORAMINIFERS, and thic MOLLUSC shells is present in the CC. SMEAR SLIDE SUMMARY (%): 5, 98 D
IOCENE	- N17	6				94.6%	• 94.2%	3	and the second			1 1		COMPOSITION: Bioclast
UPPER MIDCENE	N16 -	CN9				40.0%	2000000	4				1 1		
						93.3%	• 72.1%	5				1	*	
						930.1%		6				1		



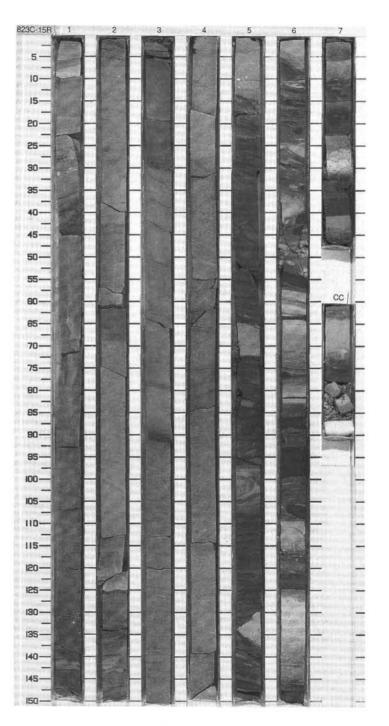




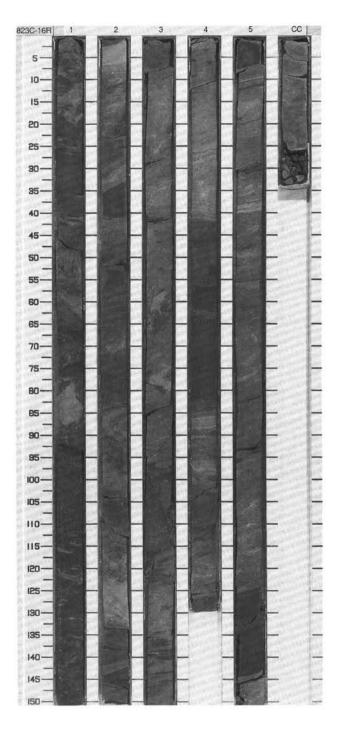
LINO				ZONE/	50	ES					88.	S		
TIME-ROCK UP	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC ITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2.09	• 72.8%	1	1.0			5885 5885		NANNOFOSSIL CHALK with FORAMINIFERS to CLAYEY NANNOFOSSIL MIXED SEDIMENT Major Lifblogy: Light gray ((5Y 7/1) NANNOFOSSIL CHALK with FORAMINIFERS gradin into dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Minor Lifblogy: Gray (5Y 6/1) BIOCLAST PACKSTONE, fining-upward from medium san to silt. Parallel planar lamination at base, low angle cross lamination and increasing bioturbation toward the top. Gray (5Y 6/1) LITH-OCLASTIC RUDSTONE with a matrix of CLAYEY NANNOFOSSIL CHALK. Clasts are NANNOFOSSIL CHALK and are typically lenticular in cross-section.
						2.05		2						
MIOCENE	- N17	CN9				44.7%	\$6.6%	3		00-69-00 00-69-00 00-69-00 00-69-00 00-69-00 00-69-00 00-69-00 00-69-00		1		
REAL	N16	C				46.9%		4				2555 2555 2555 2555 2555 2555 2555	W 100 M	
						• 42.7%	₩ 80.7%	5						
	A/M	A/P						6 CC		- 1 1		ï		



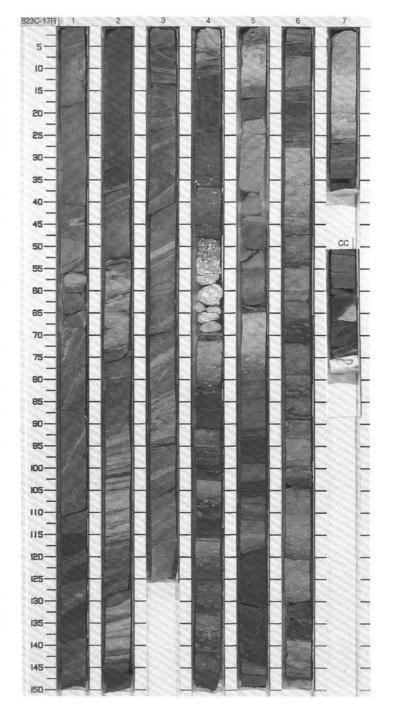
= FOS	SSIL	CHARACTER	00	8					89	60		
TIME-ROCK UNIT	NANNOFOSSILS	RADIOLARIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION		PHIC DLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER N16	A/P		21 70 W 00 W 00 W 70 W 70 W 70 W 70 W 70	2.10	622.2%	1	0.5					FORAMINIFER NANNOFOSSIL CLAYSTONE; CLAYEY FORAMINIFER NANNOFOSSIL MIXED SEDIMENT Major Lithology; Gray (SY 5/1), FORAMINIFER NANNOFOSSIL MIXED SEDIMENT. Minor Lithology; Gray (SY 5/1), OUARTZ FORAMINIFER PACKSTONE showing graded bedding and sharp contacts in coarse grained parts (Sections 1, 3, 5, 6, and 7). In Sectio 1 the beds appear to be uoside down by diumping, LITHOCLASTIC RUDSTONE occurs in Section 6, 0-109 cm; clasts consist of reworked NANNOFOSSIL CHALK within a chalk matrix. SMEAR SLIDE SUMMARY (%): 7, 27 7, 29 D COMPOSITION: Calcite 12 8 Clay 20 7 Feldspar 10 2 Foraminifler 15 15 Micrite 10 13 Nannofossils 10 50 Pyrite 3 Quartz 20 5



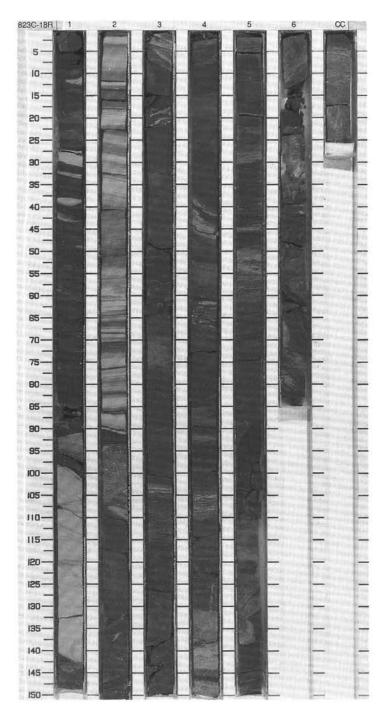
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TIME-ROCK	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAF LITHO		DN C	SED. STRUCTURES	SAMPLES		LIT	HOLOGIC DESCRIPTION
П					Г				- GB - GB - GB - GB - GB - GB - GB - GB		88	SSS		LITHOCLASTIC RUDST	ONE	
						31.6%	53.7% •	1	0.5			282		composed of large (diam SEDIMENT with FORAM	neter: 0.5 MINIFERS SEDIMEN	y (5GY 5/1 to 4/1) LITHOCLASTIC RUDSTONE 10 cm) lithoclasts of CLAYEY SILICICLASTIC MIXEC and NANNOFOSSILS. The matrix consists of CLAYE' T with SILICICLASTIC GRAINS and NANNOFOSSILS.
							0.534		1.0 - 60-60-6			•		SMEAR SLIDE SUMMA	RY (%)	
							١,				1	4			4, 35	4, 80
							1								D	D
										D-CD-CD-	-	•		COMPOSITION:		
						1.5%		2		cm-cm-				Calcite	5	5
			- 1			31.		2	- 60-60-		F	~		Chiorite		1
						•				- CDD - CDD - CD	1	٠		Clay Dolomite	30 Tr	30
														Feldspar Foraminifers	5 25	10
Ž.											۲	٦		Micrite	4	2
2	17				П					an-an-	1	•		Nannofossils Pyrite	20	15 2
MIDCENE	Z	6				, %	×		- co-co-		L	2		Quartz	10	15
UPPER A	N16 -	CN9				937.5	. 53.1	3	8-8- 8-8- 8-8-8- 8-8-8-		•	•				
OP	Z								- 69-69-6			2				
				-1					- 60-60-6		- 15	•				
						×		-	-co-co-c	D-CD-CD-	1	•				
						37.5%					1	٠	22.			
						53				an-an-	L	7	*			
						33.2		4			1					
										-an-an-			*			
							7.8%			D-CDD-CDD-	1	•				
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						1.8%	4.			- CED-CED-		_				
						2.1.2	54			m-m-m	T					
						•	•		- cm-cm-c	D-CD-CD-	1	•				
	C/M	A/M						0.0		-cm-cm-	1					
	O	A						CC	cm-cm			-	PAL			



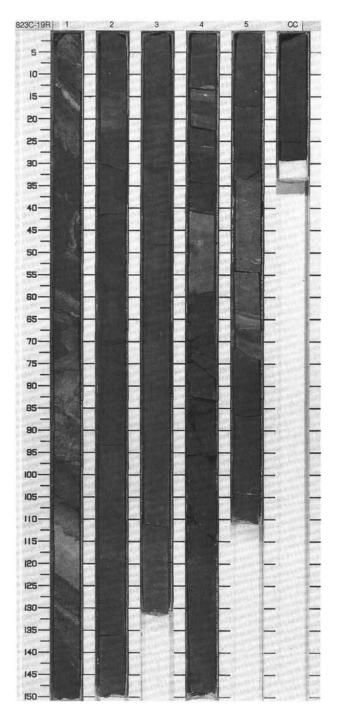
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TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEGMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB		SAMPLES	LITHOLOGIC DESCRIPTION
						• 32.2% 2.20	. 59.1%	1	0.5	1 1 1 1 1 1 1 1	~ 888 ~ ~	я я *	CLAYEY FORAMINIFER MIXED SEDIMENT with SILICICLASTIC GRAINS and NANNOFOSSILS: NANNOFOSSIL CHALK: and CALCAREOUS QUARTZOSE MIXED SEDIMENT with FORAMINIFERS and CLAY Major Lithology: Interlaminated. gray (107 5/1). CLAYEY FORAMINIFER MIXED SEDIMENT with SILICICLASTIC GRAINS and NANNOFOSSILS and white (107 7/1) NANNOFOSSIL CHALK, which is sprinkled with white globular FORAMINIFERS. Interbed of olive gray (107 5/1) CLACAREOUS QUARTZOSE MIXED SEDIMENT WITH FORAMINIFERS and CLAY occur. Locally highly bioturbated. Contorted to folded beds occur in Sections 1 and 3.
						94.4%		2		1 1 1 1	5		Minor Lithology: Gray (19V 5/1), fine sand- to sill-sized, CALCAREOUS PACKSTONE wit OUARTZ and FORMMINIFERS, showing graded bedding and locally sharp contacts at the base. A bed of CALCAREOUS RUDSTONE containing shallow water-derived BIOCLASTS (CORALS, LEPIDOCYCLINIDS?) occurs in Section 4. SMEAR SLIDE SUMMARY. 1. 117 3.5 3.35 4.43 D D D D D
MIOCENE	N17					933.6%	%9.63 ●	3			3511 113.	*	COMPOSITION: Bioclast
OFFER MI	- N16 -	CN9				29.3% 41.4%	● 72.6%	4	00-00-00-00-00-00-00-00-00-00-00-00-00-		2 Jan 3 Jan 1 13 143	*	Pyrite 1 1 5 Quartz 10 25 20 15 Spicules 2
						33.0%		5		+			
							•	6	- 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4 - 1 - 000-4		2		
	A/M	A/M						7 CC	1004	-000 		=	



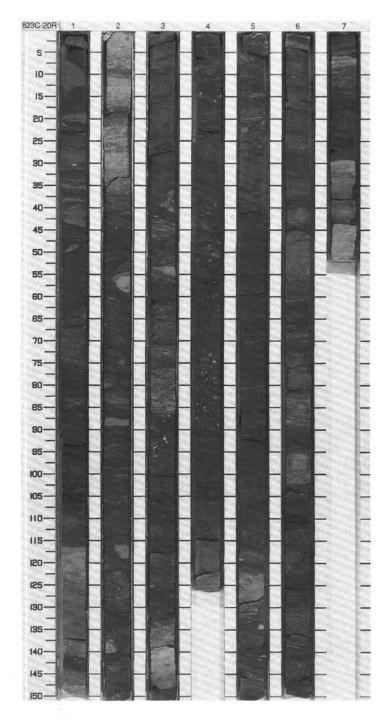
UNIT				ZONE/	2 00	168					JRB.	ES		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						25.6% • 28.7%	• 85.7%	1	0.5			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	*	CLAYEY FORAMINIFER MIXED SEDIMENT with SILICICLASTIC GRAINS; CLAYSTONE Major Lithology; Gray (5GY 5/1) to dark gray (5GY 4/1), clay- to sand-sized, CLAYEY FORAMINIFER MIXED SEDIMENT with SILICICLASTIC GRAINS. CLAYSTONE occurs locally. Minor Lithology: Light greenish gray (5GY 6/1 to 7/1), bioturbated or laminated NANNOFOSSIL CHALK with FORAMINIFERS, Gray (5GY 5/1) to dark gray (5GY 4/1), LITHOCLASTIC RUDSTONE, composed of flattened to subspherical mud clasts which range in size from 2 mm to 3 cm. The clasts consist mainly of dark greenish gray, clayes to sandy CALGAREOUS MIXED SEDIMENT with QUARTE. FORAMINIFERS and
			3					2	The state of the s			1/88/1/5		NANNOFOSSILS. Less abundant are white (5Y 8/1) to light gray (5GY 7/1) clasts of CALCAREOUS CHALK with FORAMINIFERS and NANNOFOSSILS. SMEAR SLIDE SUMMARY (%): 1, 27 1, 116 D D COMPOSITION:
UPPER MIOCENE	16 - N17	CN9				93.8%	●31.0%	3				* * * * * * * * * * * * * * * * * * *		Calcite 10 10 Carbonate grain 50 Clay 5 9 Feldspar 5 5 Foraminifers 10 15 Micrite 8 Namofossils 10 53 Quartz 2 8
an a	I.N					93.2%		4	and bearing	6		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
						8.2% • 36.1%	• 52.3%	5	1	00-00-00-00 00-00-00 00-00-00 00-00-00 00-00-00 00-00-00 00-00-00 00-00-00 00-0		◆ < < < < <		
	A/M	C/M				936		6				< · · · · · · · · · · · · · · · · · · ·		



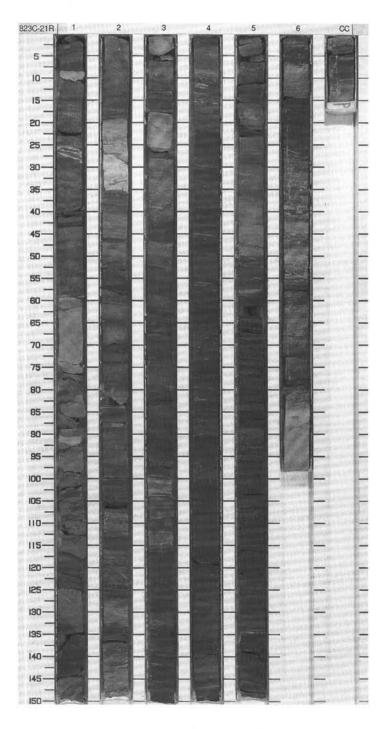
UNIT		SSIL		ZONE/ RACTER	60	LES				689	25.9		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2.34	. 11.8%	1	0.5	1	1 2 5 1		NANNOFOSSIL MIXED SEDIMENT with FORAMINIFER and SILICICLASTIC GRAINS; an CLAYSTONE to SANDSTONE with NANNOFOSSILS and FORAMINIFERS Major Lithology: Olive gray (5Y 3.5/1) to dark gray (5Y 4/1), clayey to sandy, NANNOFOSSIL MIXED SEDIMENT with FORAMINIFERS and SILICILASTIC GRAINS. CLAYSTONE to SANDSTONE with NANNOFOSSILS and FORAMINIFERS also occur. Lamination becomes more distinct downcore. A fragment of a solitary coral occurs at 53 cm in Section 5. SMEAR SLIDE SUMMARY (%):
						92.7%		2			~ ~		3, 53 D COMPOSITION: Calcite 10 Clay 30 Fetdspar 10 Foraminiters 10 Nannofossils 30 Pyrite Tr
OPPER MISSENE	N16 - N17	6NO				92.8%	.6% • • 38.7%	3		4 4 4 4		* *	Quartz 10
						5 .15 .28.2%	28	4		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	588	3 3 3	
	C/M	C/M				26.9%	. 51.0%	5	1				



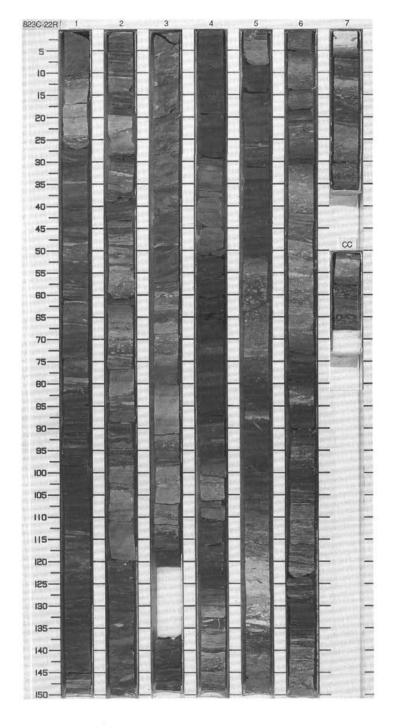
UNIT				ZONE/	85	11.58					JRB.	ES		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETIC	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						19.8% • 38.2% 2.46 • 2.15	%L 619	1	0.5			* XX		LITHOCLASTIC RUDSTONE Major Lithology: Dark gray (5GY 4/1), LITHOCLASTIC RUDSTONE composed of well to moderately sorted, platform-derived CORALS. CORALLINACEANS, and GASTROPODS as well as clasts of clayey to sandy MIXED SEDIMENT with FORAMINIFERS and NANNOFOSSILS. Minor Lithology: Dark gray (5GY 4/1), clayey to sandy, MIXED SEDIMENT with FORAMINIFERS, QUARTZ, and NANNOFOSSILS, Also, light gray (5GY 6/1), bioturbate NANNOFOSSIL CHALK. Interbeds of thin (2-3 cm) medium to coarse sand-sized SANDSTONE are also present.
						•		2				•<<		SMEAR SLIDE SUMMARY (%): 3, 81 COMPOSITION: Bioclast 5 Calcite 24
UPPER MIOCENE	N17	CN7				• 27.6% 2.43	. 45.8%	3		8		* * * * *	*	Calcrie 24 Chlorite Tr Feldspar 15 Foraminifers 20 Micrite 5 Nannofossils 25 Pyrite 1 Quartz 5
IDDLE MIDGENE	N16 -	CN6 -				91.9%		4				***************************************	og	
×						930.6%	● 28.7%	5	The second secon			< ◆ < < <		
						25.5%		6				* · · · · · ·		
	A/M	C/M						cc		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			PAL	



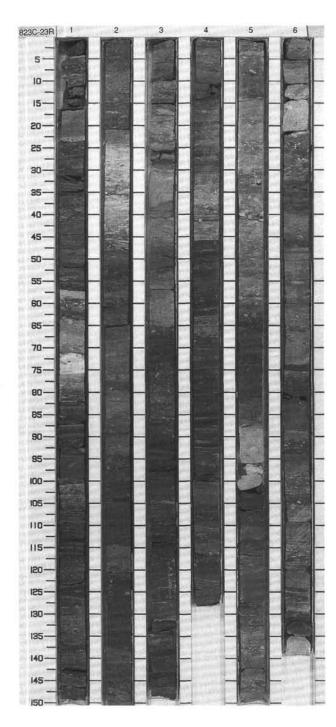
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TIME-ROCK L	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						93.3%	• 41.2%	1	0.5 - 0.00 - 0.0		- < < F:		NANNOFOSSIL CHALK with CLAY and QUARTZ interbedded with CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ, and NANNOFOSSILS; and SKELETAL PACKSTONE to CALCAREOUS MIXED SEDIMENT Major Lithology: Dark and light greenish gray to variable gray (5GY 7/1 to 4/1; 5Y 5/1 an 5Y 4/1), NANNOFOSSIL CHALK with CLAY and QUARTZ repetitively interbedded with s to sandy CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ, and NANNOFOSSILS, and SKELETAL PACKSTONE, very fitte to medium grained, containin BICCLASTS, BENTHIC FORAMINIFERS, and SILICICLASTIC GRAINS. Commonly the PACKSTONE grades up into CALCAREOUS MIXED SEDIMENT. Coarser grained units display abupt, sharp bases, commonly with scour features; normal grading; planar to Id
					200	2.21		2	00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60 - 00-60	0 0 0 0	<u></u>		angle planar wedge cross-bedding to cross faminations; local trough cross-bedding. The CHALK intervals are typically highly bioturbated. Increased frequency of PACKSTONES and sandy MIXED SEDIMENT occurs in Sections 5 and 6.
MIDCENE		CN7				0 12.9%	• 66.5%	3	-		# # ·		
MIDDLE	3	CN6 -				2.26	74	4	00-00-00-00-00-00-00-00-00-00-00-00-00-	0 0 0 0 0 0	** ** ** ** **		
					r	97.8%	0 32.6%	5	00-00-00-00-00-00-00-00-00-00-00-00-00-	0 0 0 0 0	1	1	
		C/M			77	29.5%		6	00-69-0	0 0 0 0 0 0	- KK K	ł	



E				ZONE/		83					.90	90		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						9 35.2%	×0.61 •	1	0.5			3888		CLAYEY NANNOFOSSIL CHALK with FORAMINIFERS, QUARTZ and BIOCLASTS to CALCAREOUS MIXED SEDIMENT and CLAYSTONE to NANNOFOSSIL FORAMINIFER CHALK; and BIOCLASTIC PACKSTONE to GRAINSTONE to CHALK; and BIOCLASTIC PACKSTONE to GRAINSTONE and Commonly highly bioturbated CLAYEY NANNOFOSSIL CHALK with FORAMINIFER: QUARTZ and BIOCLASTS. Clay content varies such that some intervals are CALCAREOUS MIXED SEDIMENT and CLAYSTONE. In addition, foraminifer percentag vary as well leading to local NANNOFOSSIL FORAMINIFER CHALK. Gradation between these lithologies is subtle and transitional.
						• 29.0% • 30.2% 2.32 • 2.29	• 48.2%	2				1F		The above fithologies are interbedded with silt-sized to medium and coarse sand-sized, dark greenish gray (SGV 4/1) be frown (SY 5/1), well inthified BIOCLASTIC PACKSTONE and locally GRAINSTONE. The base of a given unit is typically sharp; normal grading is common, along with planar and wedge-planar laminations. However, where several packstone units display bioturbated textures, their upper and lower boundaries are commonly transitional. Minor Lithology: Dark greenish gray (SGY 4/1) LITHOCLASTIC RUDSTONE; clasts are composed of the above lithologies. Contorted bedding, incorporating all the above lithologies, occurs locally but predominantly in the lower part of Section 2 and upper par of 4.
MIOCENE	2	- CN7					● 30.2%	3	a randomenta e	00-8 00-8 00-8 00-8 00-8 00-8 00-8 00-8		SEP .	ıw	
MIDDLE		CN6				99.4%		4	and the contract	00-3 00-3 00-3 00-3 00-3 00-3 00-3 00-3		5885 5885 \$3885 \$		
						97.9%	• 22	5	and transferra			\$ \$885		
						934.5%		6	- Indianalan			F F		
		C/M						7		00-69 				



-				ZONE/ RACTER	90	168					RB.	60		
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						25.7%	● 27.0%	1	0.5	00-00 00		1		NANNOFOSSIL CHALK with CLAY and QUARTZ interbedded with CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ, and NANNOFOSSILS; and SKELETAL PACKSTONE to CALCAREOUS MIXED SEDIMENT Major Lithology: Dark and light greenish gray to variable gray (5GY 7/1 to 4/1; SY 5/1 and SY 4/1), NANNOFOSSIL CHALK with CLAY and QUARTZ repetitively interbedded with sit to sandy CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ, and NANNOFOSSILS; and SKELETAL PACKSTONE, very fine to medium grained, containing BICCLASTS, BENTHIC FORAMINIFERS, and SILICICLASTIC GRAINS. Commonly the PACKSTONE grades up into CALCAREOUS MIXED SEDIMENT. Coarser grained units display abrupt, sharp bases, commonly with socur features; normal grading; planar to lot
						2.30		2			CONTRACTOR OF THE PARTY OF THE	* * * * *		ospay aurupt, sharp bases, commonly with soouh relatures, normal grading, pariant to be angle planar wedge cross-bedding to cross laminations; local trough cross-bedding. The chalk intervals are typically highly bioturbated. Increased frequency of PACKSTONE and MIXED SEDIMENT occurs in Sections 3 and 6.
MIOCENE	4	CN7				× • 12.0%	47.8%	3		000 000 000 000 000 000 000 000 000 00				
MIDDLE	N	CN6 -				• 22.6% 2.41		4		00-8-00 00-8-0 00-8-0 00-8-0 00-8-0 00-8-0 00-8-0 00-8-0 00-8-0 00-8-0	AND THE PERSON WITH A PERSON W		og	
						28.9%	● 60.1%	5		00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00 00-8-00		1 1		
	C/M	R/M				25.3%		6		00-8-00 			PAL	



TINO				ZONE/ RACTER		ES	Г	Π			RB.	Sa	Γ	
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	Day Course Court	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
DLE MIGGENE	N14	CN6 - CN7				29.1X	***	1 2	1.0		**			NANNOFOSSIL CHALK with CLAY and QUARTZ interbedded with CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ. and NANNOFOSSILS: and SKELETAL PACKSTONE to CALCAREOUS MIXED SEDIMENT Major Lithology: Dark and light greenish gray to variable gray (5GY 7/1 to 4/1, 5Y 5/1 and 5Y 4/1), NANNOFOSSIL CHALK with CLAY and QUARTZ repetitively interbedded with all to sandy CALCAREOUS MIXED SEDIMENT with FORAMINIFERS, QUARTZ. and NANNOFOSSILS: and SKELETAL PACKSTONE; very fine to medium grained, containing BIOCLASTS, BENTHIC FORAMINIFERS, and SILLICICLASTIC GRAINS Commonly with PACKSTONE grades up into CALCAREOUS MIXED SEDIMENT. Coarser grained units display abrupt, sharp bases, commonly with socur features; normal grading; planar to low angle planar wedge cross-bedding to cross laminations; local trough cross-bedding. The chalk intervals are typically highly bloturbated. Minor Lithology: In Section 2, 0-100 cm, and 4, 0-80, chalk intervals comprise gray (5Y 5/1), NANNOFOSSIL FORAMINIFER CHALK.
MIDDLE	C/M	R/P C				•	•	3						

